



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

NOV 20 2014

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Article Number: 7005 3110 0000 5964 2696

Honorable Mayor Kennedy O'Brien
Borough of Sayreville
167 Main Street
Sayreville, New Jersey 08872

Re: **Request for Information**
Docket No. CWA-IR-15-005
EPA/NJDEP Sanitary Sewer System Compliance Evaluation Inspection
Borough of Sayreville
ICIS/NPDES No. NJP000364
NJDEP ID No. 164912

Honorable Mayor O'Brien:

Please find enclosed a Request for Information ("RFI") letter, which the U.S. Environmental Protection Agency ("EPA") Region 2 is issuing to the Borough of Sayreville ("Sayreville") pursuant to Section 308(a) of the Clean Water Act ("CWA"), 33 U.S.C. §1318(a). The EPA is issuing the RFI letter to require Sayreville to provide specific information regarding the findings of the enclosed inspection report.

Section 308(a) of the CWA, 33 U.S.C. §1318(a), provides that whenever it is necessary to carry out the objectives of the CWA, including determining whether or not a person/agency is in violation of Section 301 of the CWA, 33 U.S.C. §1311 or carrying out section 402 of the CWA, 33 U.S.C. §1342, the EPA shall require the submission of any information reasonably necessary to make such a determination. Under the authority of Section 308 of the Clean Water Act, EPA may require the submission of information necessary to assess any facility/site and its related appurtenances for carrying out the provisions of the CWA.

On July 15, 2014, EPA along with representatives of the New Jersey Department of Environmental Protection ("NJDEP") conducted a Sanitary Sewer System Inspection of the Borough of Sayreville ("Sayreville") Sanitary Collection System. The enclosed inspection report lists potential non-compliance items as well as areas of concern, which are items that should be addressed to improve the operation and maintenance of the collection system. Additionally, the Middlesex County Utilities Authority wastewater treatment plant ("WWTP"), which Sayreville discharges to, has had exceedances of its New Jersey Pollutant Discharge Elimination System ("NJPDES") Permit and wet weather bypassing related to high wastewater flows during periods of wet weather.

REQUEST FOR INFORMATION

Sayreville is hereby required, pursuant to Section 308(a) of the Clean Water Act, 33 U.S.C. §1318(a), to submit the requested information regarding the subject construction site.

1. **Within forty five (45) calendar days** of receipt of this letter, respond to the EPA in writing with the actions (including a schedule) that Sayreville has taken or will take to address: the potential non-compliance items and areas of concern identified in the enclosed inspection report. Note that most of the findings fall under the purview of the Sayreville Water and Sewer Department, but there are Finding(s) with the storm sewer system that are under the purview of the Sayreville Dept. of Public Works.
2. **Within ninety (90) calendar days** of receipt of this Request respond to EPA in writing with:
 - a. Reports, from 2011 to Present, from Inflow and Infiltration ("I&I") studies conducted on Sayreville's Sanitary Collection System that identify sources of I&I that have not yet been eliminated or addressed. If there were any large scale I&I studies that were conducted prior to 2011 where needed I&I improvements were identified and the I&I removal work is still outstanding than please provide these studies as well.
 - b. Existing plans, cost estimate and schedules, to conduct I&I studies to determine the volume and sources of I&I entering the Sayreville Sanitary Collection System along with schedules, plans and mechanisms that Sayreville has to reduce the volume of I&I from its collection system.
 - c. Potential plans and cost estimates, schedules, to conduct additional I&I studies to determine the volume and sources of I&I entering Sayreville's Sanitary Collection system along with schedules, plans and mechanisms that Sayreville has to reduce the volume of I&I from its Sanitary Collection System.
 - d. Specific targets for the volume of I&I removal per year.

CERTIFICATION

Any documents to be submitted by Sayreville as part of this Request for Information shall be sent by certified mail or its equivalent and shall be signed by an authorized representative of the respective entity (see 40 CFR §122.22), and shall include the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

All information required to be submitted pursuant to this Request for Information shall be sent by certified mail or its equivalent to the following addresses:

Larry Gaugler, NPDES Team Leader
Water Compliance Branch
Division of Enforcement and Compliance Assistance
U.S. Environmental Protection Agency – Region 2
290 Broadway, 20th Floor
New York, NY 10007-1866

Marcedius T. Jameson, Director
Water and Land Use Enforcement
New Jersey Department of Environmental Protection
Mail Code 401-04F, 401 East State Street
P.O. Box 420
Trenton, NJ 08625-0420

Should you have any questions regarding this request, feel free to have your staff contact Larry Gaugler, NPDES Team Leader at (212) 637-3950.

Sincerely,



Douglas McKenna, Chief
Water Compliance Branch
Division of Enforcement and Compliance Assistance

Enclosure

cc: Marcedius T. Jameson, Director, Water and Land Use Enforcement, NJDEP
Wolfgang Skacel, Assistant Commissioner, Compliance and Enforcement, NJDEP
(w/enclosure)
Mr. Robert Smith, Director, Sayreville Water and Sewer Department via email
Sayreville Dept. of Public Works, via email rprusakowski@sayreville.com
Mark Germanski, NJDEP via email
Melissa Hornsby, NJDEP via email

EPA		United States Environmental Protection Agency Washington, D.C. 20460						Form Approved. OMB No. 2040-0057							
Section A: National Data System Coding (i.e., PCS)															
Transaction Code		NPDES				yr/mo/day				Inspection Type		Inspector		Fac Type	
		N J P 0 0 0 3 6 4				1 4 0 7 1 5 17				18 &		19		20 1	
Remarks															
2															
Inspection Work Days		Facility Self-Monitoring Evaluation Rating				B1		QA		Reserved					
6 1		69		70		71		72		73		74		7	
66															
80															
Section B: Facility Data															
Name and Location of Facility Inspected (for industrial users discharging to POTW, also include POTW name and NPDES permit number)										Entry Time/Date			Permit Effective Date		
Sayreville Water and Sewer Dept. 3753 Bordentown Ave. Sayreville, NJ 08625										07/15/2014					
										Exit Time/Date					
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) Bob Smith, Water and Sewer Utility Director RSmith@sayreville.com, 732-390-7067 Bruce Totten, Sewer Dept. Supervisor 732-407-3866 David Samuel, Borough Engineer, from CME (732) 727 8000										7/15/14					
										Other Facility Data					
Name, Address of Responsible Official/Title/Phone and Fax Number(s) Robert J. Smith Borough of Sayreville Director of Water & Sewer Utilities, 167 Main St. Sayreville, NJ 08872										Contacted					
										x Yes			No		
Section C: Areas Evaluated During Inspection (Check only those areas evaluated)															
Permit		Flow Measurement		x Operations & Maintenance		x CSO/SSO (Sewer Overflow)									
X Records/Reports		Self-Monitoring Program				Pollution Prevention									
Facility Site Review		Compliance Schedules				Multimedia									
Effluent/Receiving Water		Laboratory				Storm Water									
						Other:									
Section D: Summary of Findings/Comments (Attach additional sheets of narrative and checklists as necessary)															
See attached compliance evaluation inspection report for inspection findings.															
Name(s) and Signature(s) of Inspector(s)								Agency/Office/Phone and Fax Numbers				Date			
Murray Lantner								EPA/DECA-WCB/(212) 637-3976 FAX: 3953				11/12/14			
Signature of Management Q/A Reviewer								Agency/Office/Phone and Fax Numbers				Date			
Larry Gaucher, P.E. Chief NPDES Team								EPA/DECA/WCB (212) 637-3950, Fax 212 637-3953				11/19/14			

INSTRUCTIONS
Section A: National Data System Coding (i.e., PCS)

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. (Use the Remarks columns to record the State permit number, if necessary.)

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A Performance Audit	U IU Inspection with Pretreatment Audit	! Pretreatment Compliance (Oversight)
B Compliance Biomonitoring	X Toxics Inspection	@ Follow-up (enforcement)
C Compliance Evaluation (non-sampling)	Z Sludge - Biosolids	{ Storm Water-Construction-Sampling
D Diagnostic	# Combined Sewer Overflow-Sampling	} Storm Water-Construction-Non-Sampling
F Pretreatment (Follow-up)	\$ Combined Sewer Overflow-Non-Sampling	: Storm Water-Non-Construction-Sampling
G Pretreatment (Audit)	+ Sanitary Sewer Overflow-Sampling	~ Storm Water-Non-Construction-Non-Sampling
I Industrial User (IU) Inspection	& Sanitary Sewer Overflow-Non-Sampling	< Storm Water-MS4-Sampling
J Complaints	\ CAFO-Sampling	- Storm Water-MS4-Non-Sampling
M Multimedia	= CAFO-Non-Sampling	> Storm Water-MS4-Audit
N Spill	2 IU Sampling Inspection	
O Compliance Evaluation (Oversight)	3 IU Non-Sampling Inspection	
P Pretreatment Compliance Inspection	4 IU Toxics Inspection	
R Reconnaissance	5 IU Sampling Inspection with Pretreatment	
S Compliance Sampling	6 IU Non-Sampling Inspection with Pretreatment	
	7 IU Toxics with Pretreatment	

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A — State (Contractor)	O — Other Inspectors, Federal/EPA (Specify in Remarks columns)
B — EPA (Contractor)	P — Other Inspectors, State (Specify in Remarks columns)
E — Corps of Engineers	R — EPA Regional Inspector
J — Joint EPA/State Inspectors—EPA Lead	S — State Inspector
L — Local Health Department (State)	T — Joint State/EPA Inspectors—State lead
N — NEIC Inspectors	

Column 20: Facility Type. Use one of the codes below to describe the facility.

- 1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
- 2 — Industrial. Other than municipal, agricultural, and Federal facilities.
- 3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
- 4 — Federal. Facilities identified as Federal by the EPA Regional Office.
- 5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2, DECA-WCB
20th Floor, 290 Broadway, NY, NY 10007

SANITARY SEWER SYSTEM
COMPLIANCE EVALUATION INSPECTION REPORT

Compliance Evaluation Inspection: Sayreville Water and Sewer Utility Department, NJDEP Program Interest ID No. 164912 EPA ICIS No. NJP000364
Inspection Date: July 15, 2014 Inspection Time: 9:15 AM to 5:00 PM
EPA Inspector: Murray Lantner, P.E. Environmental Engineer, EPA Region 2, DECA-WCB Daniel DAgostino, USEPA Region 2, Clean Water Division, (212) 637- 3805 Nora Boylan, EPA Summer Intern
NJDEP Inspector: Mark Germanski, Pricipal Environmental Specialist. NJDEP-Central Bureau of Water Compliance and Enforcement , Mail Code 44-03, Trenton, NJ 08625 mark.germanski@dep.nj.gov (609) 292-3010
On-Site Representatives: Bruce Totten, Sewer Department Supervisor Bob Smith, Water and Sewer Utility Director David Samuel, Borough Engineer Jessica Sellitto, Secretary
Site Information: Bordentown Water Treatment Plant 3753 Bordentown Ave, Sayreville NJ, 08872 Mailing Address –Sayreville Water and Sewer Department, 167 Main Street, Sayreville NJ 08872
Precipitation Information: New Brunswick NJ – 0.96 in. on July 15 2014. The day prior to the inspection July 14, 2014 – 3.36 in. http://www.njweather.org/data/sub/1/days

I. Summary of Potential Noncompliance and Areas of Concern

A. Potential Noncompliance

1. As documented in paragraph II.32, Sayreville has experienced Sanitary Sewer Overflows that discharged to waterways and as described in paragraph II.27 there have been blockages in the Sayreville's sanitary mains that have caused basement backups.

B. Areas of Concern:

1. As described in paragraph II.12, In terms of resiliency/redundancy, what is the status of obtaining a portable 6" pump and tow behind generator that could be used to run a pump station in the event of a power or generator failure?

2. As described in paragraph II.15 there were several occurrences of high levels of Inflow and Infiltration (“I&I”) at the Middlesex County Utilities Authority (“MCUA”) Joint Sayreville, River Road, Roberts Street and Sayreville metering chambers to the MCUA collection system as well as other metering chambers. Provide informations on the measures that are being employed to reduce/eliminate I&I?
3. As described in paragraph II.17 many of the sewer records were lost during Hurricane Sandy. Please ensure that records and computer backups are maintained in safe locations.
4. As described in paragraph II.18 and 19 Sayreville should consider computerizing their backup reports and residential complaints so that it can easily identify problem areas and target these areas for routine maintenance.
5. As described in paragraph II.21 the Borough of Sayreville does not have a written list of the trouble spots in the collection system that are cleaned more frequently. The EPA recommends that the borough maintain a list of problem areas and the cleaning schedule for these locations. This and other maintenance schedules and work orders can be included in a Computerized Maintenance Management System (CMMS) see paragraph II.31.
6. As described in paragraph II.33 the Spill Reporting Document in Attachment 2, needs to be revised to report if the spill reached a water body along with the name of the water body. Sayreville should also consider developing a Response Plan or Standard Operating Procedures for how it responds to and cleans up a Sanitary Sewer Overflow or Basement Backup.
7. As described in paragraph III.1.a there appeared to be a high flow into the Old Bridge Pump Station even though the pump station was said to serve only 20 homes. It was thought that there were still lateral connections conveying Inflow and Infiltration into the sanitary main. Sayreville should work to identify and eliminate I&I from entering the pump station.
8. As described in paragraph III.1.b, the Winding Woods Pump Station has a frequent problem of grease buildup and therefore it appears that an education/outreach program in the area tributary to this pump station is needed. Additionally, as described in paragraphs II.10 and III.1.b please provide a schedule for when new pumps and grinders will be installed at this station.
9. As described in paragraph III.1.c below, during the inspection, the screen of the Muffin Monster (Comminutor) at the Crossman Pump Station was not functioning properly causing flow to backup into the adjacent bar screen. If it has not been done already the screens for the Muffin Monster need to be repaired. Additionally Sayreville should consider measures to reduce inflow and infiltration entering the pump station. As described in paragraphs II.10 and II.19, Sayrveille representatives said that the Crossman

Pump Station was to be upgraded and outfitted with a backup generator. What is the status of this upgrade?

10. As described in paragraph III.1.c below, at the Crossman Pump Station there was a sheen of diesel fuel on the puddles outside of the station due to a spill when attempting to fill the Godwin Diesel Pump. The sheens should be cleaned up and mechanisms put in place to avoid spills during fueling and operation of the pump.
11. As described in paragraph III.1.d, the Crossway Creek Pump Station, 2 of the screens that prevent access to moving pump shafts on 2 pumps were not in place representing a potential safety hazard.
12. As described in paragraph III.2.a.i below, during the inspection (which was during an intense rain event) a manhole examined at the Old Bridge Sayreville Joint Station (MCUA metering station) on Jernee Mill Road was found to have a sheen on top of the flow and there was a chemical odor. This metering station is downstream of Alzo International, a categorical industrial user subject to the Organic Chemicals, Plastics and Synthetic Fibers regulations (40 CFR Part 414) and regulated under the MCUA pretreatment program. Following the inspection Sayreville and MCUA investigated and did not see this issue recur. However, during the inspection Sayreville representatives said that the chemical odor was present during previous inspections. Sayreville should continue to monitor this location and track down the source if the odor and sheen issue recurs.
13. As described in paragraph III.2.a.ii below, a stormwater manhole was inspected outside of the Alzo International factory and the water running through appeared to be red, possibly due to the heavy rain event that had just occurred. The Borough of Sayreville Department of Public Works needs to identify the source of this rust colored flow in the storm sewer.
14. As describe in paragraph III.2.e following an intense rain event there appeared to be high flow in the sanitary sewer at MacArthur Ave. and Marshall Place. Please report if Sayreville has done I&I detection/elimination work in this sewershed?

II. Background and Findings

Collection System:

1. The purpose of this sanitary sewer system Compliance Evaluation Inspection (CEI) was to assess the adequacy of the system's minimization of Sanitary Sewer Overflow (SSO) discharges. This CEI was conducted to make such assessments of sanitary sewer systems of medium-sized Wastewater Treatment Plants (WWTPs), defined as WWTPs with design capacities between 10 and 100 MGD and of large-sized WWTPs, defined as WWTPs with design capacities in excess of 100 MGD.

2. The Borough of Sayreville ("Sayreville") has a satellite sanitary sewer system of the MCUA WWTP, NJPDES No. NJ0020141
3. The population of Sayreville is approximately 43,000 and the borough covers a land area of approximately 19 square miles.
4. The Sayreville sanitary sewer system is operated and maintained by the Sayreville Water and Sewer Utility Department.
5. According to the Sayreville representatives, the borough has entirely separate sanitary and storm sewers. The storm sewers are operated and maintained by the Department of Public Works. The Sayreville Sanitary Sewer System (SSS) consists of approximately 130 miles of sanitary piping, most of which range from 8' to 24'. There is approximately 4.3 miles of force main and 3,228 manholes.
6. According to the facility representatives the Sayreville SSS was originally built in the 1930s, but went through major developments and extensions in the 1950s, 1970s, and 1980s. The pipes are composed of either asbestos-cement, vitreous clay, or PVC depending on the year they were installed.
7. According to the Sayreville representatives, the Sayreville SSS does not receive any flow from upstream contributors.
8. The Sayreville representatives explained that they currently have a PDF map of the SSS system for the borough, but are currently in the process of authorizing a GIS project to re-map the entire system. The representatives provided a CD copy of the PDF map.

Pump Stations/Lift Stations

9. The Borough of Sayreville has nine (9) pump stations all of which are equipped with high level alarms as well as alternate power sources. Each station records pump run times, but they do not measure flow at the pump stations, rather flow is measured at MCUA metering chambers.
10. Both the Crossman Pump Station and the Winding Woods Pump Station are in the process of being upgraded. Crossman Pump Station was greatly damaged during Hurricane Sandy and there is currently a \$3.5 million project out for bid to rebuild the station. The newly constructed station will be 3' higher than the measured Sandy flows. Winding Woods Pump Station was also flooded during Sandy and is waiting for property rights to be acquired before construction can begin.
11. All of the stations have generators except for Crossman Pump Station which has two (2) diesel back-up pumps. All the emergency generators are tested once per week and the bypass pump is started once a week as well.

12. In terms of resiliency/redundancy, Sayreville representatives were working to obtain a portable 6” pump and tow behind generator that could be used to run a station in case of a power or generator failure.

Flow Metering and Billing

13. MCUA measures flows into its system from Sayreville and bills Sayreville based on Flow, Total Suspended Solids (TSS), Biochemical Oxygen Demand (BOD), and Chlorine Demand.
14. According to the Sayreville Borough Code of Ordinances Chapter XIV Class A Users (residential users) discharging normal domestic sewage shall be charged a rate of twenty-two dollars and ten cents (\$22.10) per thousand cubic feet of water consumed. Class B Users, or those discharging nondomestic industrial wastes shall be billed quarterly as follows, although sample bills were not provided:
- For MCUA charges based on the ratio of the actual flow and pollutant parameters of each Class B user to the total actual flow and pollutant parameters from the Borough to MCUA using the billing rates prescribed by the MCUA at the beginning of the year.
 - For Borough of Sayreville charges based upon actual flow of each Class B user at a rate of two dollars (\$2.00) per thousand gallons.
15. As described in the Tables 1 and/or 2 below there were several occurrences of high levels of Inflow and Infiltration at the MCUA Joint Sayreville, River Road and Sayreville connections to the MCUA system.

Table 1: MCUA metering chambers in New Brunswick comparing maximum wet weather/dry weather flow difference in 2011 and 2012

Participant	Connection	2012 Max Difference between wet and dry weather flows (MG)	2012 Max Percent Difference for those 150% Greater	2011 Max Difference (MG)	2011 Max Percent Difference for those 150% Greater
Sayreville	Sayreville	0.361	95	6.096	1771
Sayreville	Boehmurst	0.259	61	0.926	248
Sayreville	Crossman	0.616	149	1.265	347
Sayreville	Joint Sayreville	0.391	164	1.675	468
Sayreville	Melrose	0.119	68	0.289	207
Sayreville	River Road	0.272	124	0.274	182
Sayreville	Roberts Street	0.094	483	0.157	1041
Sayreville	Jernee Mill	0.278	32	3.026	361

Table 2: MCUA Metering Chambers - Comparison of average flows during Large Wet Weather Events (90th Percentile of days with Rainfall Event is 0.87") and Average Flow During Dry Weather Days (0.00" Rainfall) for the Period January 2011 to Aug. 2013. This table contains those metering chambers where large wet weather events caused increases in flow of 1.5x dry weather flow or more.

Participant	Connection	Average Flow Dry Weather Days (0.00" Rainfall) (MGD)	Average Flow Large Wet Weather Days (Wet Weather is 90th Percentile Rainfall 0.87") (MGD)	Ratio of Avg. Large Wet Weather Flows/Avg. Dry Weather
Sayreville	Sayreville	0.429	0.959	2.23
Sayreville	River Road	0.243	0.412	1.7
Sayreville	Joint Sayreville	0.276	0.421	1.52

Residential Complaints / Collection System Insurance

16. According to the Sayreville representatives all residential complaints that are called in are recorded in their log book and then included on their Collection System Monthly Report for MCUA. Residential complaints that require for the system to be jetted are recorded in the Supervisor's Report along with the details of the events that occurred and the measures taken to eliminate the problem. The representatives provided copies of the Supervisor's Report for 2013 through June 2014 (See Att. 4).
17. The Borough of Sayreville lost many of its records during Hurricane Sandy, including their pump station repair records and supervisors reports.
18. According to the Sayreville representatives, each address has its own personal file at the billing center containing records of past sewage blockages (in addition to several other records). If needed these records could be accessed to see if a similar problem has occurred at a specific address before. This type of information should be stored in a database so that recurring problems can be identified and proactive programs put in place to prevent these backups.
19. The Borough of Sayreville has insurance which the Water and Sewer Utility Department uses. Using the Supervisor's Report as a reference claims, go through the administrator's office at Borough Hall.

Capacity Issues / Collection System Maintenance

20. The Borough of Sayreville SSS had serious capacity issues during Hurricanes Sandy and Irene, but other than these storms Sayreville representatives do not recount any capacity issues in the past five (5) years. Representatives identified that during Hurricane Irene there were capacity issues at the Old Bridge Pump Station.
21. The Sayreville representatives explained that there are about fifteen (15) trouble areas that they try and clean at least once a month. These areas may be areas of high grease buildup or near certain businesses that have high traffic on weekends. The sewer department does not have a list of these problem areas.

22. According to the Sayreville representatives there was a 20' section of pipe on Macarthur Avenue that recently collapsed but was quickly repaired.
23. The representatives do not believe that any recent back-ups are due to capacity issues, although there are most likely some areas that have surcharging, as well as some lines that are probably running flatter than they should.
24. According to the Sayreville representatives a master plan to upgrade the SSS was established in 1986 that has promoted a series of ongoing projects including the elimination of pump stations. The borough used to have twenty-two (22) pump stations and has spent millions of dollars working to improve the system. Sayreville currently has 9 wastewater pump stations (See Attachment 5).
25. The Sayreville Borough Code of Ordinances Chapter XIV outlines the local laws prohibiting discharge into sanitary or public sewers. It provides a list of prohibited substances to discharge into public sewers.
26. The entire SSS was TV'd from 1989 to 1994 for the South Bay Interceptor. A few breaks and catch basin flows were found and remedied through the process. This process caused a large reduction in inflow and infiltration problems.
27. According to the Sayreville representatives about one third (1/3rd) of the system is cleaned each year, making the entire system cleaned on a three (3) year cycle. When cleaning, they will do additional TV'ing if the line looks like it has excessive flows. See metrics below from Sayreville's Collection System Monthly Reports from Nov. 2013 to May 2014 (See Example In Attachment 7). Sayreville should take additional steps to reduce the number of blockages per 100 miles per year and reduce or eliminate the number of basement backups. Sayreville did provide EPA with approximately ten Sewage Blockage Supervisor's report for the period January 2013 to June 2014 (See Example Reports Attachment 4) which document basement backups due to main line blockages.

Table 3 : Metrics for Blockages, Cleaning and CCTV, from Collection System Monthly Reports

Month	Number of Mainline Blockages Per Month	No. of Blockages/100 miles per month (130 miles system)	No. of Miles of Sewer Cleaned Per Month	Percentage of System Cleaned Per Month	Miles of System Televised
May-14	2	1.5	10.7	8.2%	0.2
Apr-14	1	0.8	5.4	4.1%	0.1
Mar-14	4	3.1	3.7	2.8%	0.1
Feb-14	3	2.3	3.2	2.5%	0.0
Jan-14	1	0.8	2.8	2.1%	0.0

Dec-13	5	3.8	6.2	4.8%	0.0
Nov-13	2	1.5	7.6	5.8%	0.2
Monthly Average	2.6	2.0	5.6	4.3%	0.1
	No. of Mainline Blockages Extrapolated Per Year	No. of Mainline Blockages per 100 miles Extrapolated Per Year	No. of Miles Cleaned Extrapolated Per Year	Percentage of System Extrapolated Per Year	Miles Televised Extrapolated Per Year
Extrapolation over 12 Months	30.9	23.7	67.7	52.1%	1.0

28. The Borough of Sayreville currently has one jet truck after losing one in Hurricane Sandy. The Department of Works (DPW) for the Borough of Sayreville also has a jet/vac truck that the sewer department has access to. For larger projects the borough may call out for a contractor.
29. The Sayreville representatives were unsure of the borough's grease policy, however, according to Sayreville Borough Code of Ordinances Chapter XIV "Any water or waste which may contain more than one hundred (100 mg/l) milligrams per liter by weight of fat, oil, wax, or grease, or containing other substances which may solidify or become viscous at temperatures between thirty-two and one hundred twenty (32°F and 120°F) degrees Fahrenheit," is not allowed to be discharged into any public sewers.
30. Sayreville does not have a Computerized Maintenance Management System (CMMS). A CMMS is helpful in managing pump station and collection system cleaning and maintenance and work orders.

SSO Discharges / Spills:

31. Sayreville was greatly impacted by Hurricane Sandy and therefore had several SSOs during the time. Most of these SSOs, however, were not recorded, or the records were lost.
32. As for incidents not caused by Sandy, Sayreville has reported four (4) incidents of unpermitted discharge to the NJDEP in the past five years. The details of these incidents can be seen in the chart below (And See Attachment 3):

Date	Sayreville Documented Location	Sayreville Documented Problem	Sayreville Documented NJDEP Case #	Impacted Body of Water
12/27/2009	425 Main Street	Block in lined causes trap in senior citizen complex overflowed and spilt into the parking lot	09-12-27-1437-33	Land Impact only
6/30/2010	901 Ernsten Rd.	Sewage spill onto ground and into tidal storm drains due to pump malfunction	10-06-0314-20	
9/27/2011	1123 Bordentown Ave	Broken sewage pipe discharging	11-09-28-1126-24	Land impact only
1/16/2014	Crossman's Pump Station	Sewage spill. Sayreville said that they Cleaned and raked area of debris. Removed top layer of sand. Spread lime over the affected areas	14-01-17-1543-48	Land impact only

33. The Borough of Sayreville has recently compiled a Spill Reporting Procedure document (Attachment 2) that outlines the necessary steps for reporting sanitary sewer overflows or backups. The Spill Reporting Document needs to be revised to report if the spill reached a waterbody along with the name of the waterbody. Sayreville did not have an SSO Response Plan in terms of how SSOs are corrected or cleaned up.

Municipal Separate Storm Sewer System (MS4)

34. The Sayreville representatives explained that the Sayreville Water and Sewer Utilities Department does not maintain the storm sewer system. The said that DPW maintains the system.

III. Field Work

1. EPA and Sayreville representatives inspected the:

- a. Old Bridge Pump Station – the station has an emergency generator. Sayreville representatives reported that many of the homes in the neighborhood have been abandoned due to Flooding from Hurricane Sandy. As shown in photographs DSCN2168 (“168”) and 169 there was debris up to the top rung of the ladder. Debris on the ladder was either due to surcharging of the manhole or due to material that fell back on the ladder when emptying/cleaning the influent screen (See Photo 168). As shown in the photo 168, there was a high flow into the pump station at the time of the inspection despite the pump station serving approximately only 20 homes. Sayreville should work to identify sources of Inflow and Infiltration in the Old Bridge PS sewershed and eliminate it. EPA also observed the sanitary sewer manhole at 54 Roberts and the flow in the manhole was down and running, with no surcharging.
- b. Winding Woods, Pump Station – This pump station was said to clog as much as 1 to 2 times per week and as little as once per month or less. Sayreville representatives said that there are residential grease problems at this pump station. As shown in photograph 170 debris was seen on an upper rung of the ladder. Sayreville representatives said that they plan on having grinders and 3 new pumps installed, but were waiting for approval from the land owner to provide space for the pump station upgrade. What is the status of the pump station upgrade and will Sayreville provide outreach to the community on proper disposal techniques for residential grease?
- c. Crossman Pump Station – On the inspection during a heavy rain event, the screen at the muffin monster (comminutor) was not properly operating. This caused flow to backup into adjacent bar screen which was also matted with material. This caused an elevated level of flow in the sewer tributary to the pump station. Sayreville representatives said that they would start working on this problem immediately. What is the status of this screen at the pump station?

There was a sheen on puddles around the pump station that were due to spilled diesel fuel while filling of a diesel Godwin Pump. Sayreville said that they would try to clean the sheen with sorbent pads. Did Sayreville personnel clean up spill and enact measures to prevent the spillage of diesel fuel while fueling at the diesel pumps. Sayreville said that they planned on conducting upgrades at this pump stations since it was severely flooded during Hurricane Sandy and wanted to have an emergency generator at the facility which would replace the need for the diesel pump. What is the status and schedules for upgrades and emergency generator at this pump station.

- d. Crossway Creek Pump Station – During the heavy storm 1 of the 3 pumps were running. The other 2 pumps were said to be operable. 2 of the 3 pump shafts did not have the safety screening in place (see photos 180 and 181) and represent a safety issue.
2. EPA and Sayreville representatives inspected manholes at the follow locations:
 - a. Jernee Mill Road
 - i. The manhole on the Sayreville Sanitary Sewer system upstream of the MCUA Jernee Mill metering chamber was opened and there was a sheen on the flow in the manhole (see photos 173 to 175) and there was a chemical odor emanating from the manhole. This manhole is downstream of the Alzo International Inc./Pharmetic Mfg. Co. LLC (See Photo 176) and industrial user of MCUA. Following the inspection, on July 16, 2014, EPA notified MCUA of the chemical odor and MCUA responded by letter dated July 30, 2014 (See Attachment 8). EPA reviewed the letter and asked additional questions of MCUA and Sayreville). Sayreville responded in Oct. 2014 and stated that this location was re-inspected several times and the odor was not detected again.
 - ii. Jernee Mill – As shown in photos 177 and 178 there was rust colored water flowing in the storm sewer in front of Alzo International. The flow was seen during an intense storm event. Sayreville should determine the source of the rust colored water in the storm sewer or if this sewer line is owned/operated by the County or another entity they must be notified.
 - b. 92-94 Washington Ave. – sewer was down and running and flowing.
 - c. 258 - 296 Washington Ave. – small flow in sewer, down and running.
 - d. 28 Weber Street – flow down and running upstream of metering chamber
 - e. Macarthur Ave. and Marshall Place – high flow in the sanitary sewer upstream of the MCUA Weber Ave. metering chamber. See Photos 192 to 195 following an intense storm event in Sayreville. It appears that there may be I&I entering this sewer. Sayreville should provide studies or information on I&I in this sewer.

IV. Attachments

1. Photos
2. Spill Report Procedure Document
3. NJDEP Incident Reports
4. Sample Supervisor's Sewer Blockage Reports for Sewer Main
5. Sayreville Wastewater Pump Stations List
6. Sayreville Borough Code of Ordinances Chapter XIV
7. Collection System Monthly Reports – Example May 2014

8. July 16, 2014 Email to MCUA, July 30, 2014 response from MCUA and Aug. 13, 2014 EPA Response pertaining to chemical odor and sheen in Sanitary Sewer on Jernee Mill Rd.

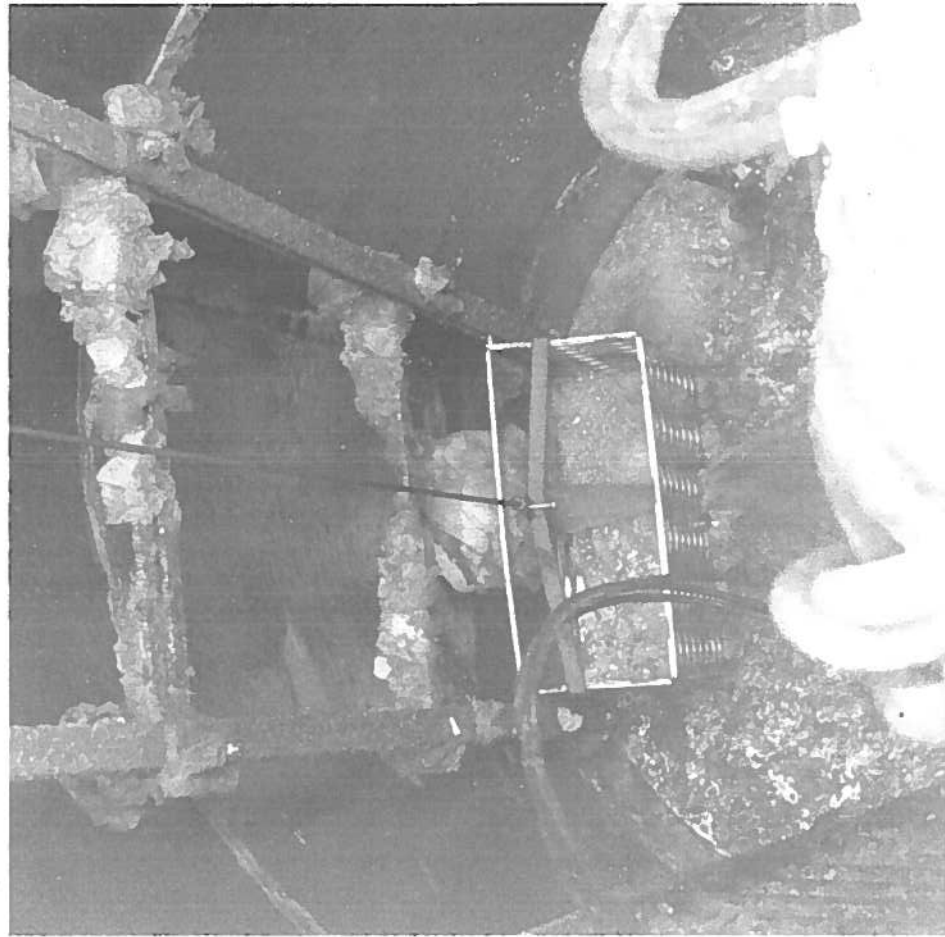
ATTACHMENT 1 - Sayreville SSO Inspection July 15, 2014

Unedited Digital Photographs Nikon Coolpix P510, Murray Lantner, EPA Region 2, DECA-WCB

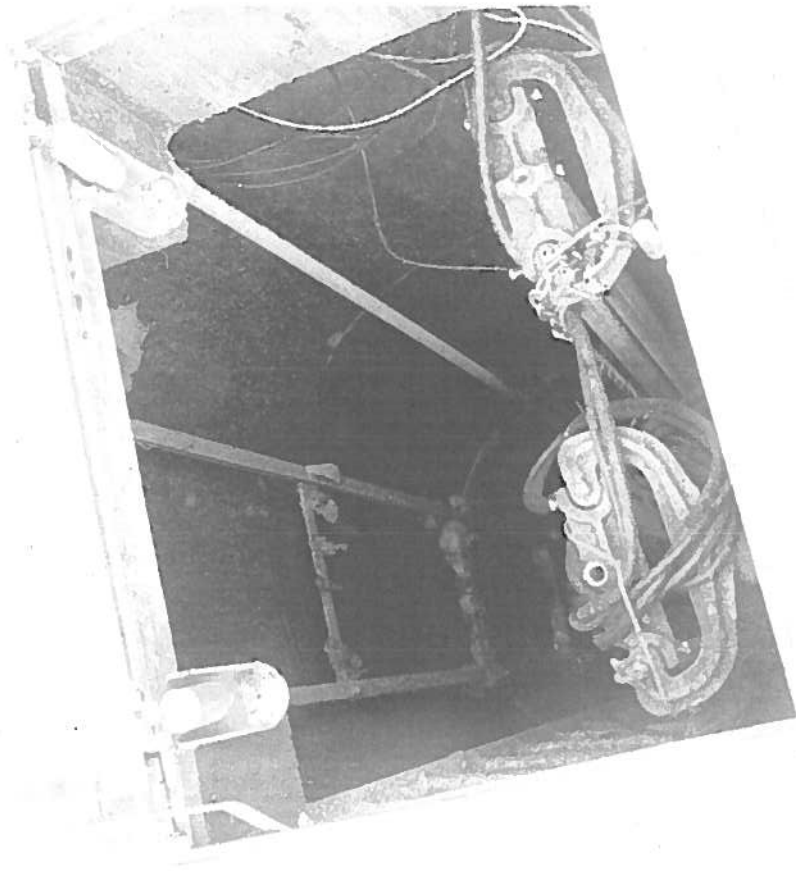
Photolog	Description
DSCN2168	Basket in manhole at Old Bridge Pump Station, Debris seen on ladder, potentially due to manhole surcharging or due to spillage of material associated with cleaning the screen/bucket.
DSCN2169	Pumps in manhole at Old Bridge Pump Station
DSCN2170	Winding Woods Pump Station influent - debris seen on upper rung of ladder.
DSCN2171	Winding Woods Pump Station Influent Screen/Basket
DSCN2172	Winding Woods Pump Station Diesel Fuel Tank for Emergency Generator
DSCN2173	Sheen on flow in Sayreville Sanitary Sewer just upstream of the MCUA Old Bridge Metering Chamber on (Jernee Mill Road)
DSCN2174	Sheen on flow in Sayreville Sanitary Sewer just upstream of the MCUA Old Bridge Metering Chamber on (Jernee Mill Road), Sayreville NJ
DSCN2175	MCUA Sayreville Old Bridge Metering Chamber on Jernee Mill
DSCN2176	Sign for Alzo International Chemical Company
DSCN2177	Flow in storm sewer with a red color in front of Alzo International.
DSCN2178	Flow in storm sewer with a red color in front of Alzo International.
DSCN2179	Crossway Creek Pumping Station, No screen around rotating shaft on one of the pumps. This is a potential safety issue.
DSCN2180	Crossway Creek Pumping Station – Screen in place on different pump shaft.
DSCN2181	Muffin Monster (Comminutor) at Crossway Creek Pump Station
DSCN2182	Muffin Monster (Comminutor) at Crossway Creek Pump Station
DSCN2183	Muffin Monster (Comminutor) at Crossway Creek Pump Station
DSCN2184	Area at Briarwood Care and Rehabilitation Center Pump Station – a private pump station that did have an overflow in the past. Ernston Road and Dondek Drive
DSCN2185	Area at Briarwood Care and Rehabilitation Center Pump Station – a private pump station that did have an overflow in the past. Ernston Road and Dondek Drive
DSCN2186	Crossman's Pumping Station influent at muffin monster (sewer levels elevated)
DSCN2187	Crossman's Pumping Station influent at muffin monster (sewer levels elevated)
DSCN2188	Crossman's Pumping Station influent at muffin monster (sewer levels elevated)
DSCN2189	Muffin monster at Crossman's Pumping Station
DSCN2190	Muffin monster at Crossman's Pumping Station
DSCN2191	No Photo
DSCN2192	High flow in sewer at MacArthur and Marshall Place after storm event (40 Marshall Place)
DSCN2193	High flow in sewer at MacArthur and Marshall Place after storm event (40 Marshall Place)
DSCN2194	Video of High flow in sewer at MacArthur and Marshall Place after storm event (40 Marshall Place)
DSCN2195	High flow in sewer at MacArthur and Marshall Place after storm event (40 Marshall Place)

G:\DECADIV\DECA-WCB\COMPLIANCE SECTION\2014 Inspections\Lantner\MCUA Satellites\Sayreville\Sayreville July 2015 SSO CEI.docx

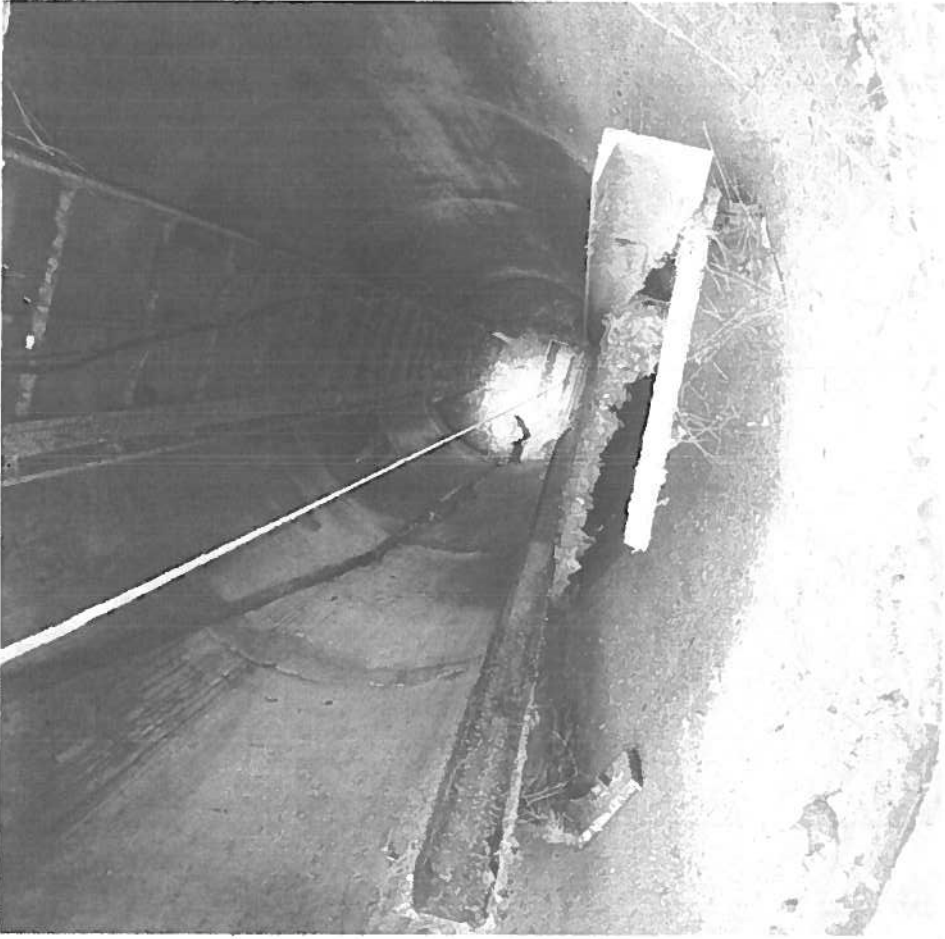
Attachment 1
Borough of Sayreville, NJ
EPA SSO Inspection
Unedited Digital Photos
Nikon Coolpix P510
Taken by Murray Lantner, EPA
Region 2, DECA-WCB
July 15, 2014



DSCN2168



DSCN2169



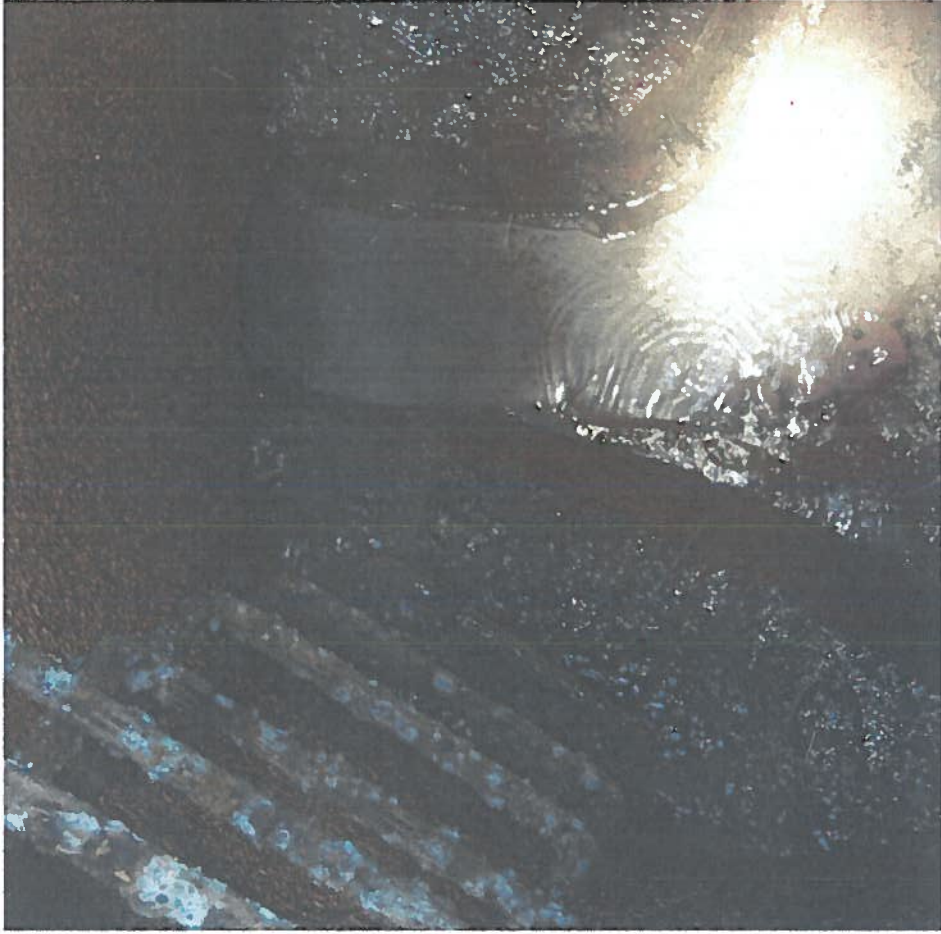
DSCN2170



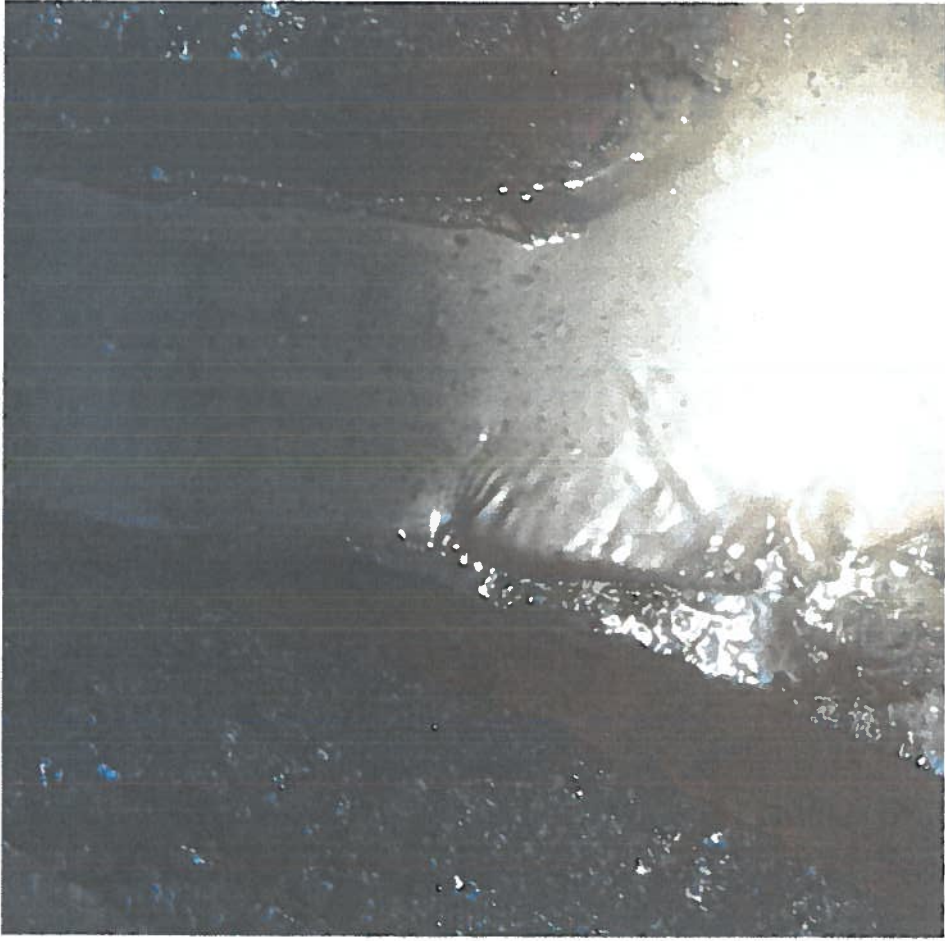
DSCN2171



DSCN2172



DSCN2173



DSCN2174



DSCN2175



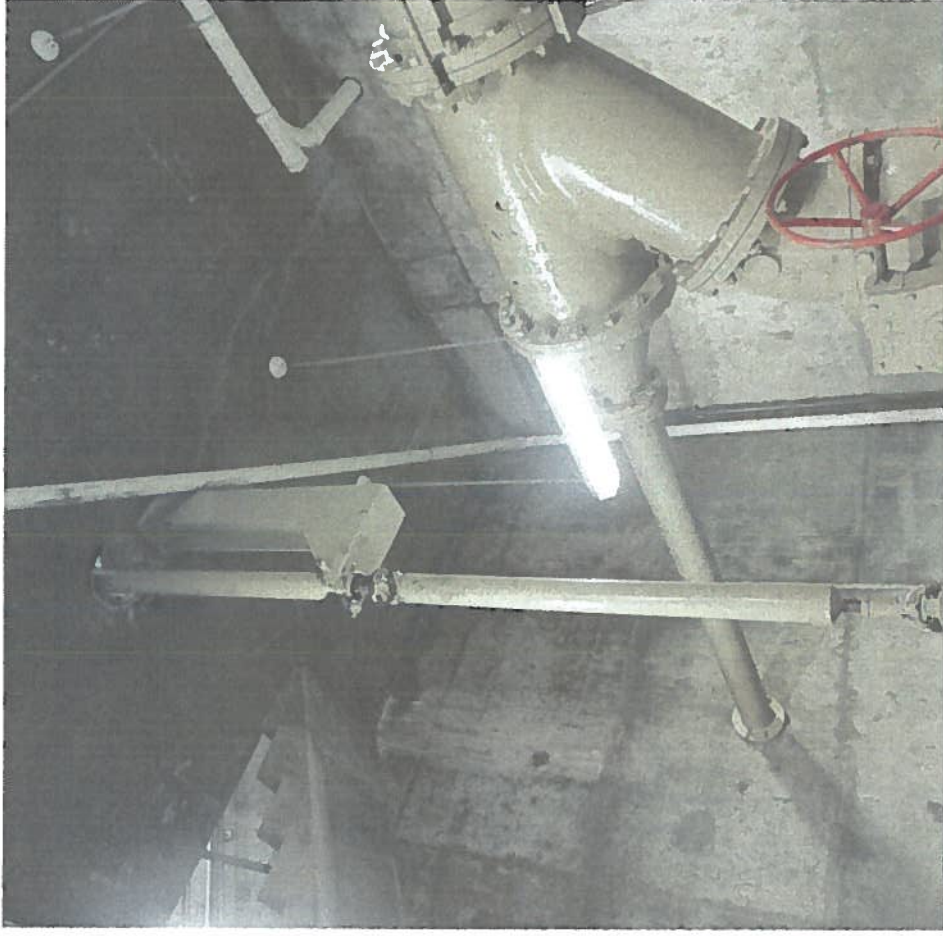
DSCN2176



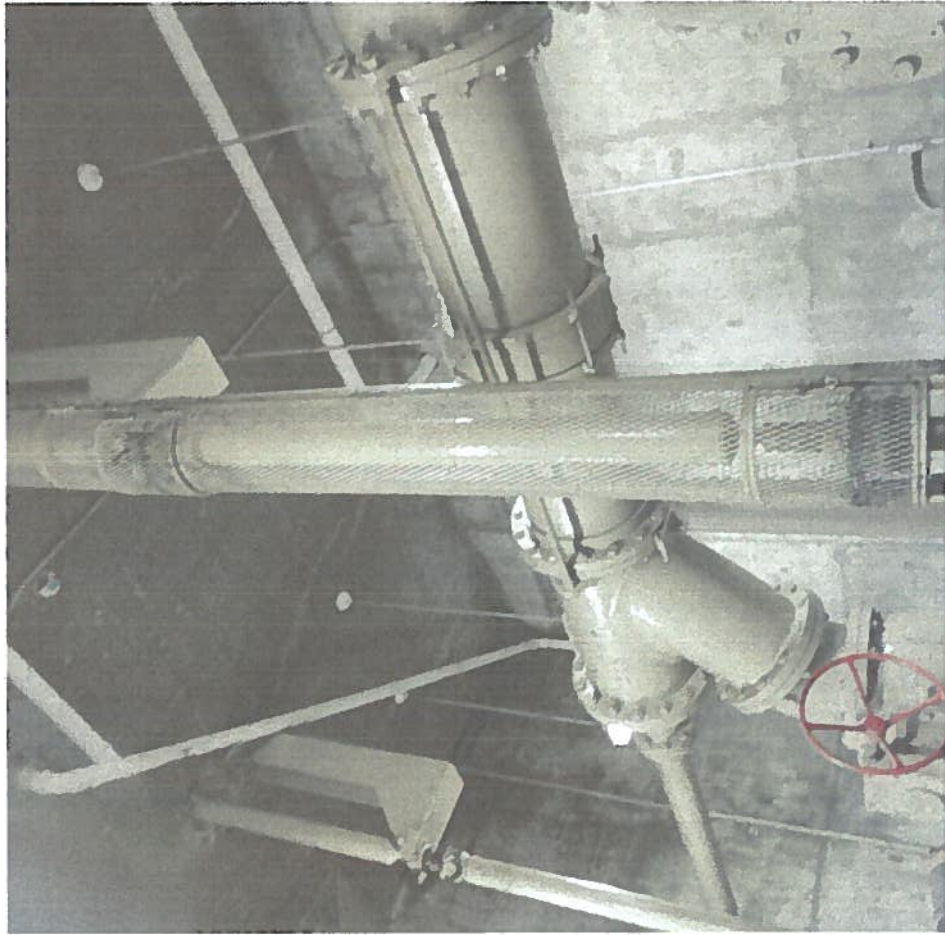
DSCN2177



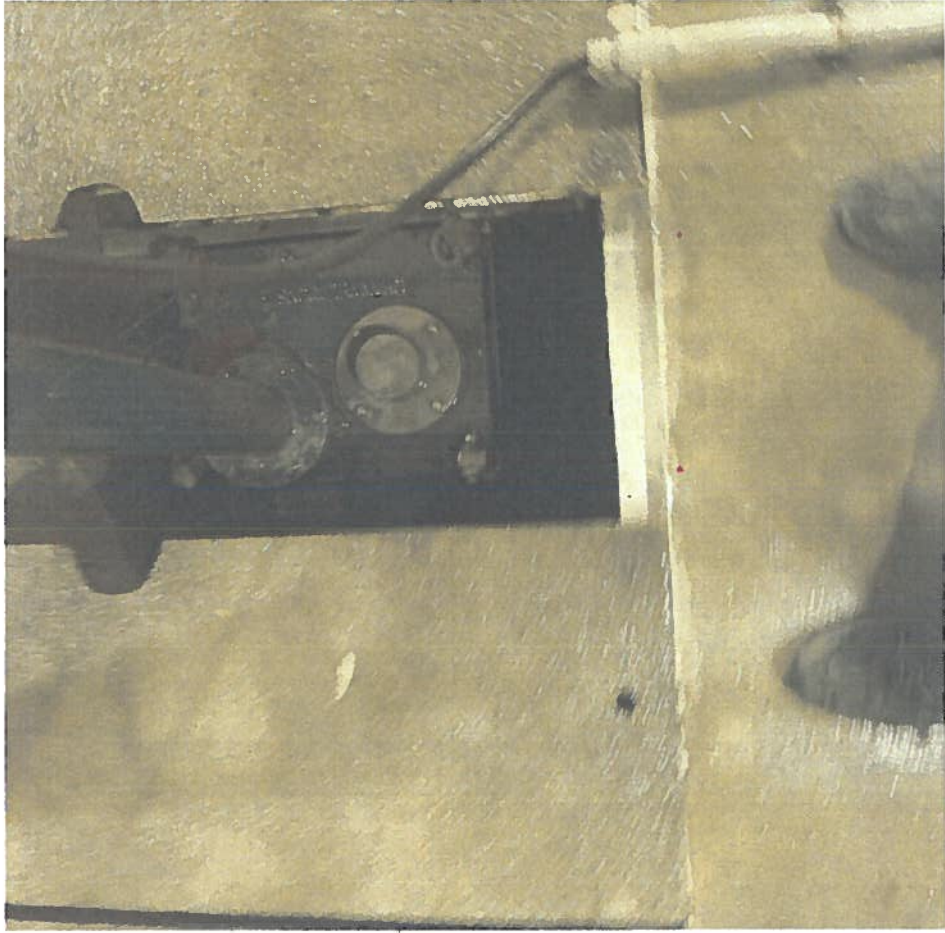
DSCN2178



DSCN2179



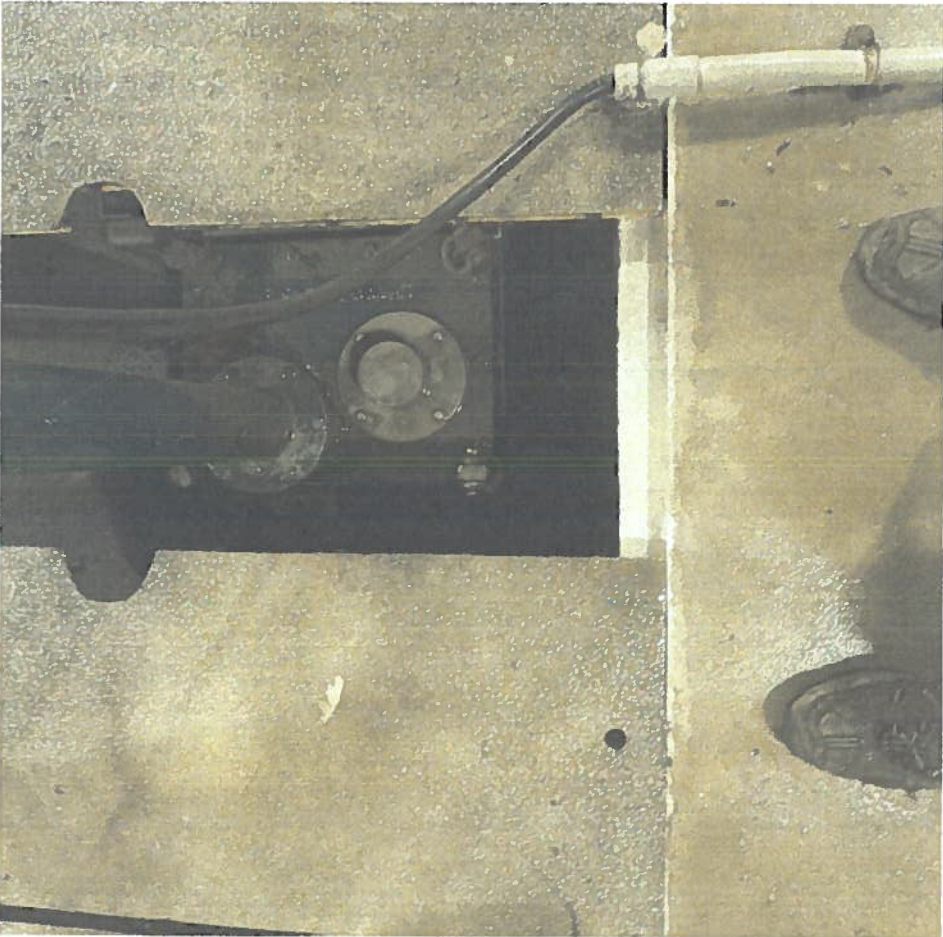
DSCN2180



DSCN2181



DSCN2183



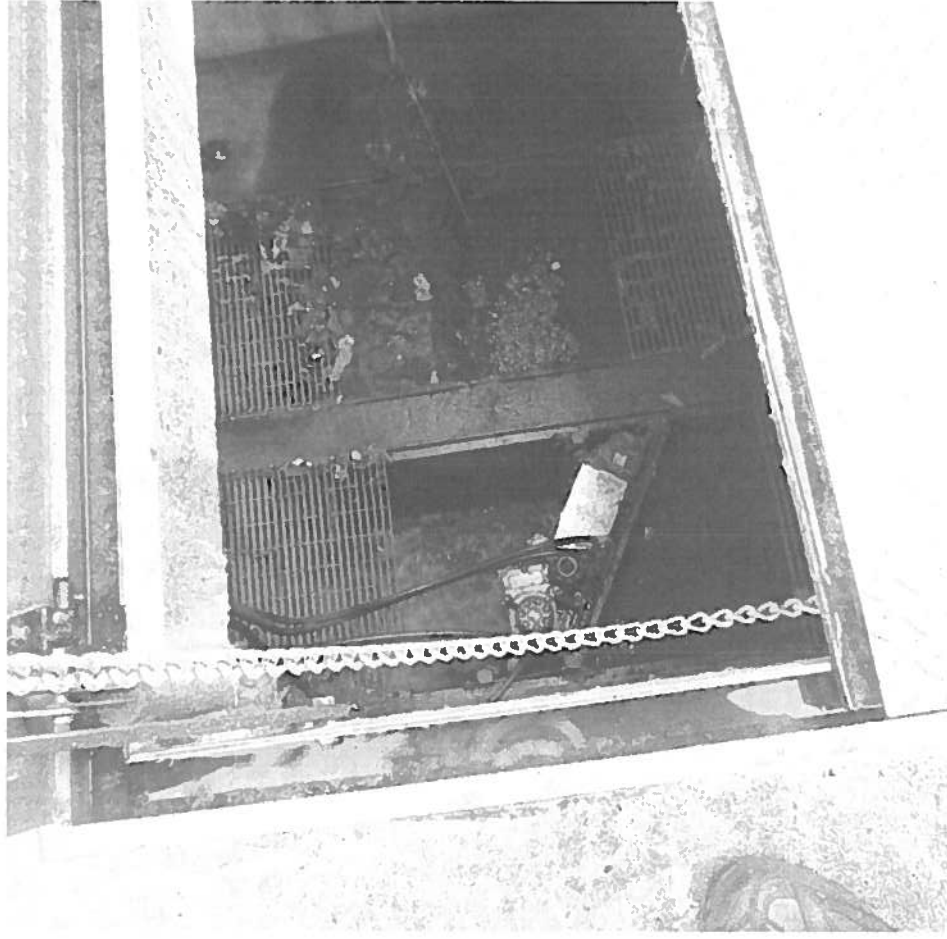
DSCN2182



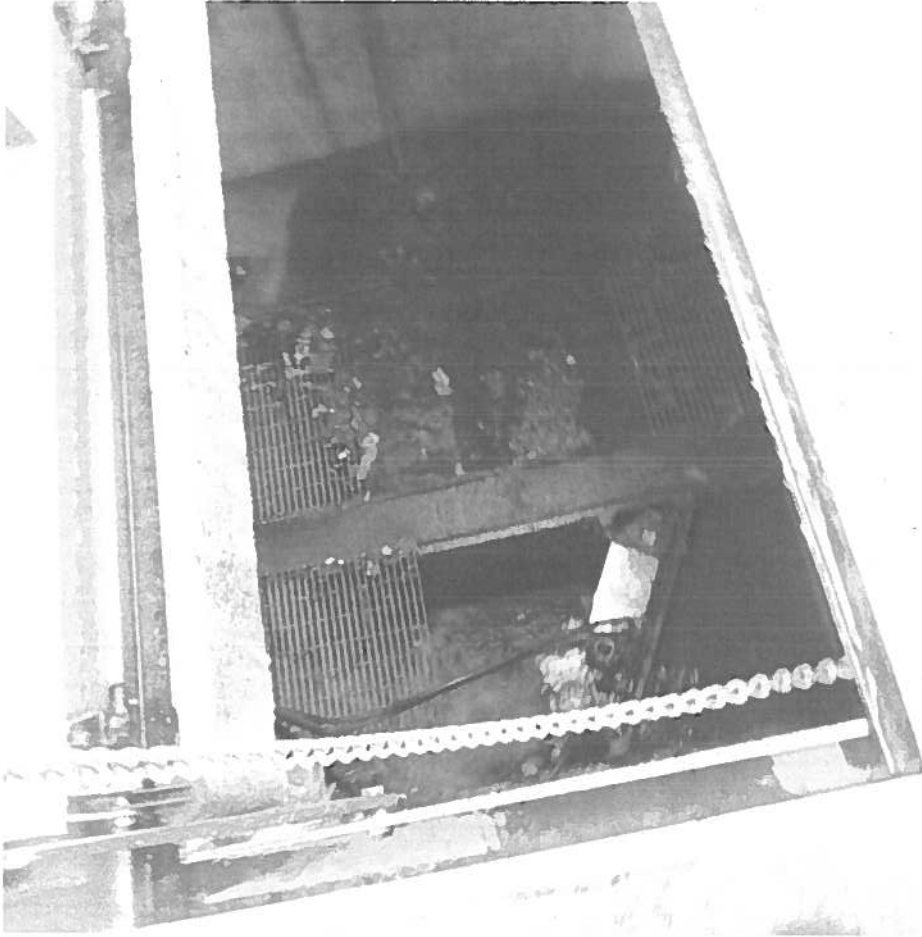
DSCN2184



DSCN2185



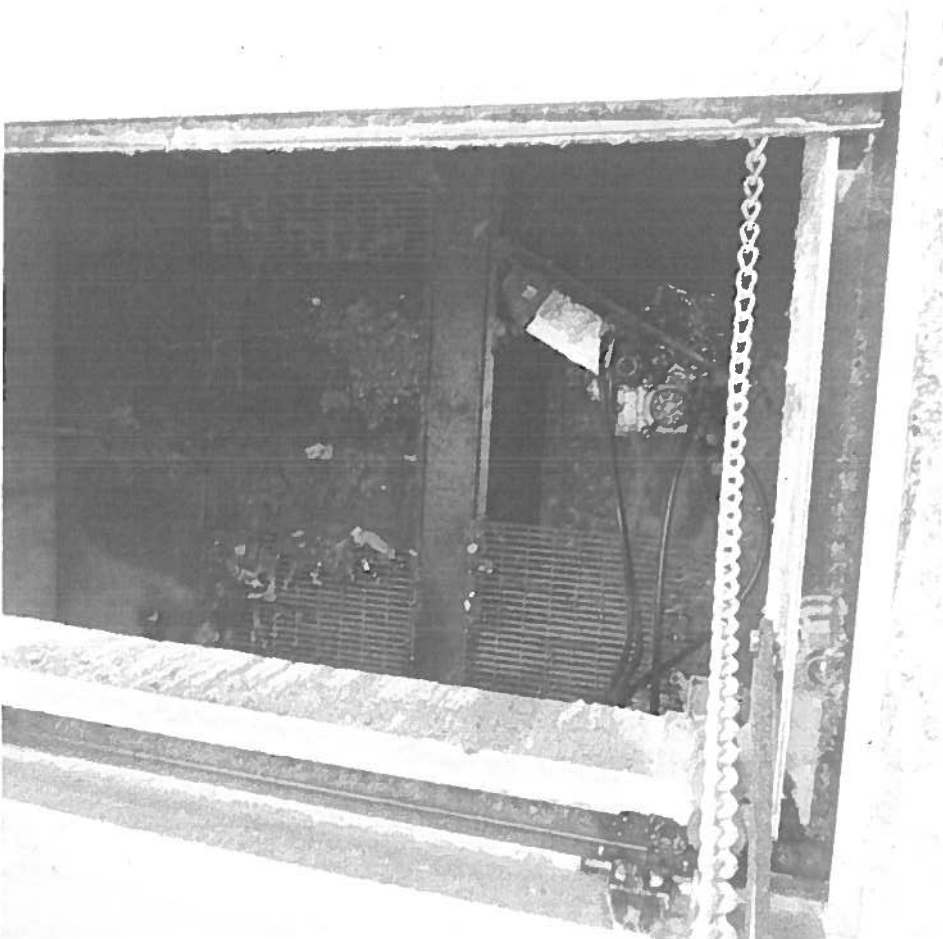
DSCN2187



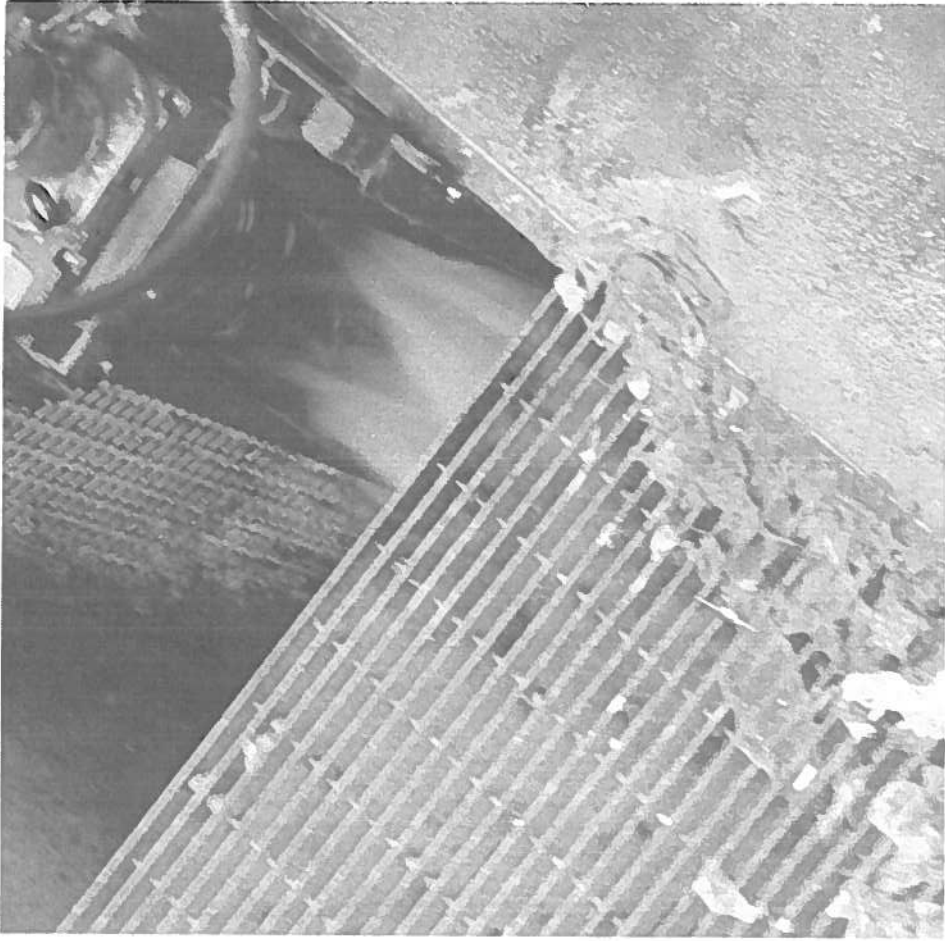
DSCN2186



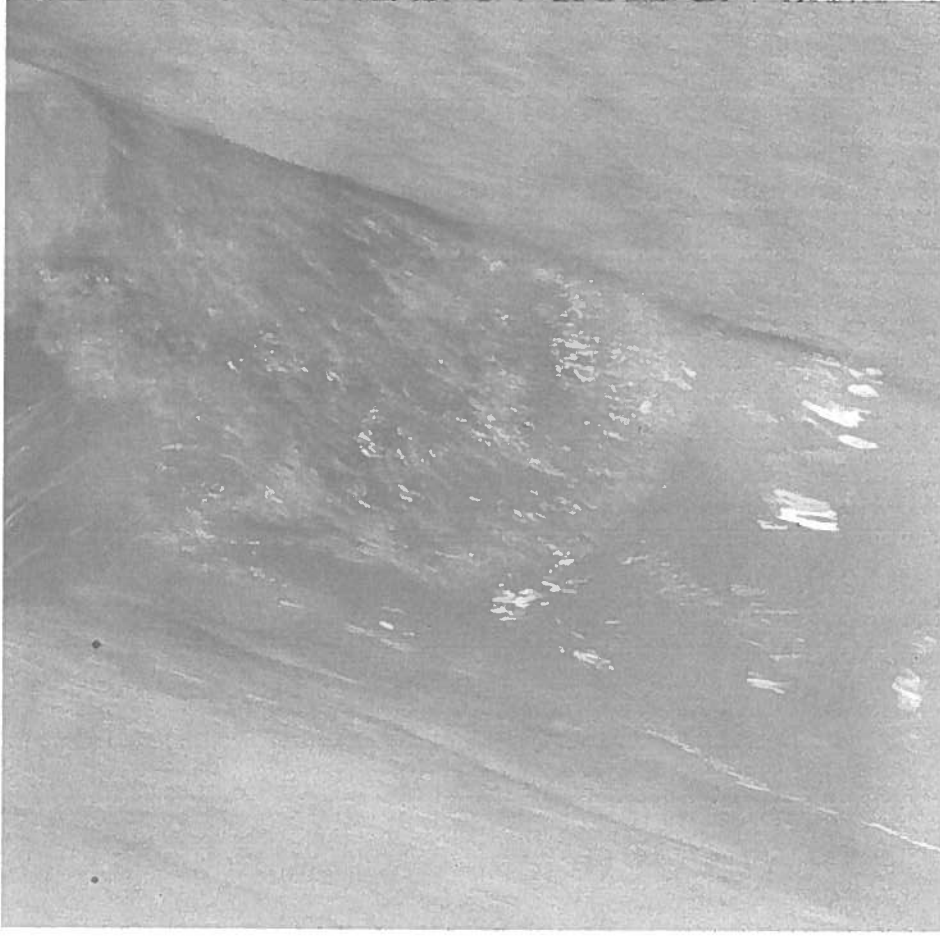
DSCN2189



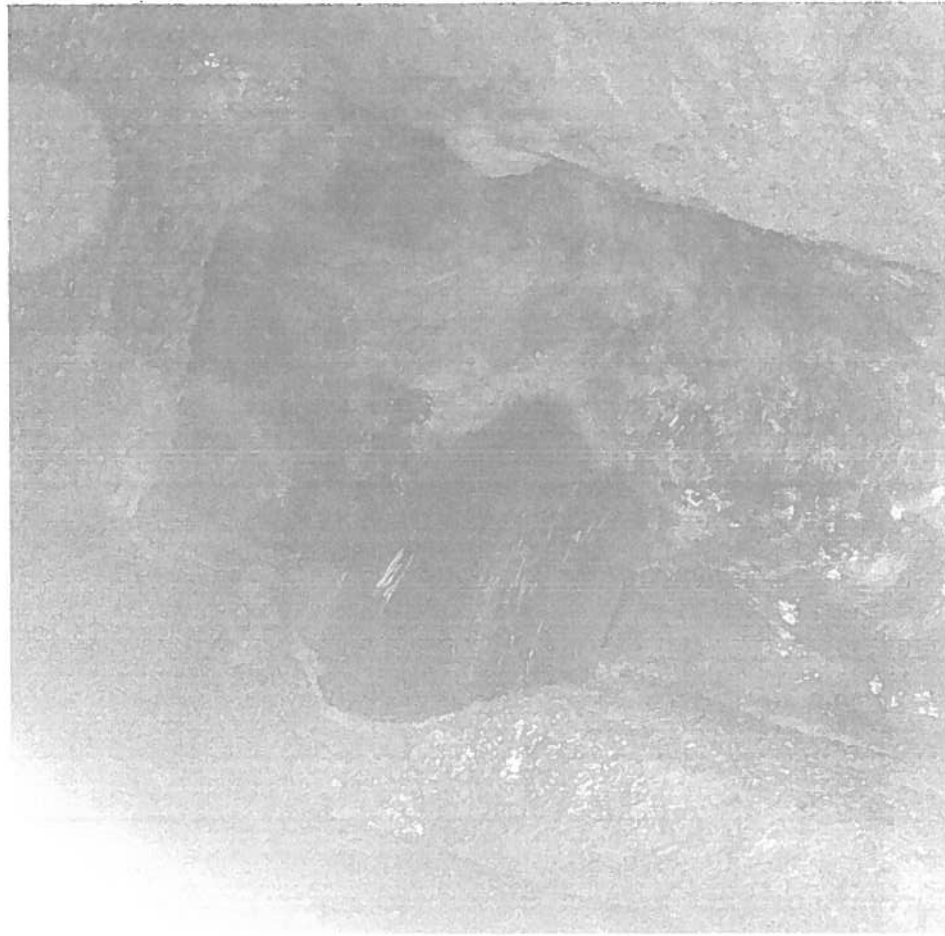
DSCN2188



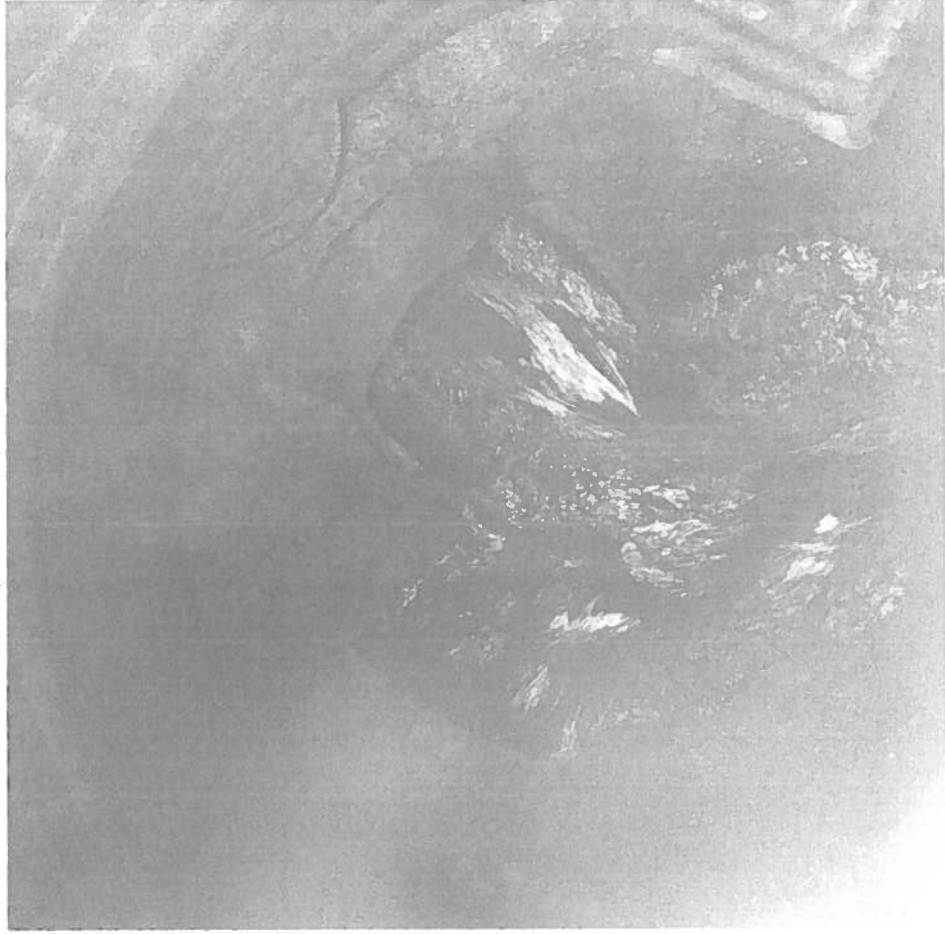
DSCN2190



DSCN2192



DSCN2193



DSCN2195

BOROUGH OF SAYREVILLE
WATE & SEWER UTILITIES

- Subject:** SOP # 001 Spill Reporting
- Purpose:** To provide operators with a set guideline for reporting sewerage spills.
- Reporting Requirements:** Whenever there is a sewer spill or station overflow.
- Procedure:** In the event of a sewage spill, please find the proper protocol below. At no time will there be any deviation from this procedure.

In case of a sewage spill:

1. Immediately try to rectify the spill situation. Take notice of the approximate volume spilled, and if it entered a surface water body.
2. Contact your supervisor IMMEDIATELY. If unavailable, contact the Director, Robert Smith.
3. After contacting your supervisors call the NEW JERSEY DEP HOT-LINE AT:

**** 1-877-927-6337 ****

They will ask you the following questions so be prepared!

- Where did the spill take place?
- What spilled?
- How much of this spilled?(approximate)
- Control measures in place?
- What is being done to rectify the problem?
- When will the situation be corrected?
- They will issue you a case number. **Write down the case number, we need this number.** Also record the NJDEP operator's number which he or she will provide.
- Write down all the information you provided to the State.
- Fill out the Borough of Sayreville Spill Report.

If the Spill has reached (entered) a waterway of the State you must report it immediately. But definitely within 2 (two) hours!

If the Spill did not reach or enter a waterway we have 24 hours to report the spill. If a station is going to overflow call Oswald Enterprises to pump down the station.

If a spill entered the collection system (chemicals, diesel fuel, gasoline etc.) you must call the NJDEP and the Sayreville Police and Fire Departments.

Effective Date: 1/17/14

Authorized by: Bob Smith

Report of Incident/Complaint

7/11/2014

Incident Date: 9/27/2011
Incident Id: 404881
Incident Type Desc: Unpermitted Discharge
DEP Region: Central
Incid Link ID#: 156711
Program: Water Quality
Recd Date Time: 9/28/2011 11:26:24
Incident Status Desc: Terminated
Trenton Dispatch Num: 11-09-28-1126-24

Substances Involved

Incident Description

SUSPECTED BROKEN SEWAGE PIPE IS DISCHARGING ONTO CALLERS PROPERTY. NO CLEAN UP IS BEING DONE.

Substance	CAS Number	Quantity	Units
SEWAGE		0	unknown
Impacts To:	Land	Waterbody:	

Incident Location

Follow-Up Priority: Medium

IN THE REAR OF

Addr: 1123 BORDENTOWN AVE

Municipality: Sayreville Boro

County: Middlesex

Block, Lot:

Incident Source/Responsible Party

Name: UNKNOWN

Phone #:

Verified:

Addr:

Munic:

County:

State: NJ

Permit/Case#:

Reported By:

Addr: 1123 BORDENTOWN AVE

Phone #: 917-595-7366

Name: MERANDA DAPRON

Confidential:

Municipality: Sayreville Boro

County: Middlesex

Case Status: Closed, Inv-no viol

as of: 10/17/2011

Lead DEP Investigator/Contact: Germanski, Mark

Action/Activity

Task	Assigned Staff	Due Date	Completed Date	Hrs Spent	Incident Action Comments	Organization	User ID Last Updt	D/Time Last Updt
Notification - Fax			9/28/11			Water - Central	HVANS CIV	9/28/11 11:47
Notification - Email	Germanski, Mark		10/14/11		site visit made 10/14/11 - met homeowner (Joe) who lives at #1123 Bordentown Avenue ; recent hurricane had caused erosion of portion of concrete wall. Joe stated that county will be fixing wall and cleaning out small swale that contains soil from wall area. Joe would like additional work to be performed but the county will only repair storm damaged areas. Joe is also asking who owns the wall and stormwater discharge pipe. Since the road is a county road and since the county is performing repairs this is a county responsibility.	Water - Central	MGERMANS	10/17/11 10:57

Reporter Comments

Report of Incident/Complaint

7/11/2014

Incident Date: 6/30/2010

Incident Id: 356673

Program:

Water Quality

Incident Type Desc: Unpermitted Discharge

Recd Date Time:

6/30/2010 03:14:20

DEP Region: Central

Incident Status Desc:

Undetermined

Incid Link ID#: 135592

Trenton Dispatch Num:

10-06-30-0314-20

Substances Involved

Incident Description

SEWAGE SPILL ONTO GROUND AND INTO TIDAL STORM DRAINS DUE PUMP MALFUNCTION. CLEAN UP IN PROGRESS BY BIG MIKES

Substance	CAS Number	Quantity	Units
SEWAGE		100	gallons
Impacts To:	Land & Water	Waterbody:	

Incident Location

Follow-Up Priority:

AT PUMPING STATION

Addr: 901-ERNSTEN RD

Municipality: Sayreville Boro

County: Middlesex

Block, Lot:

Incident Source/Responsible Party

Name: BRIARWOOD NURSING HOME

Phone #:

Verified:

Addr: 901 ERNSTEN RD

Munic: Sayreville Boro

County: Middlesex

State: NJ

Permit/Case#:

Reported By: MIDDLESSEX CNTY DOH

Addr: 75 BAYARD ST

Phone #: 732-745-3100

Name: TAMMY LINCOLN

Confidential:

Municipality: New Brunswick City

County: Middlesex

Case Status: Referred

as of: 7/6/2010

Lead DEP Investigator/Contact: Germanski, Mark

Action/Activity

Task	Assigned Staff	Due Date	Completed Date	Hrs Spent	Incident Action Comments	Organization	User ID Last Updt	Dt/Time Last Updt
Notification - Fax			6/30/10			Water - Central	TRUTKOWS	6/30/10 9:45
Notification - Home			6/30/10			Coastal Monitoring	TRUTKOWS	6/30/10 9:45
Notification - Fax			6/30/10			NJSP-ROIC	TRUTKOWS	6/30/10 9:45
Notification - Home			6/30/10			BMWCA Fax	TRUTKOWS	6/30/10 9:45
Assigned	Germanski, Mark		6/30/10		see 10-06-30-1224-37	Water - Central	MGERMANS	7/6/10 15:17
Notification - Fax			6/30/10			F&W - Central	TRUTKOWS	6/30/10 9:45

Reporter Comments

TAMMY LINCOLN ON SITE CONTACT: 732-433-1457

Report of Incident/Complaint

7/9/2014

Incident Date: 1/16/2014

Incident Id: 505827

Program: Water Quality

Incident Type Desc: Unpermitted Discharge

Recd Date Time: 1/17/2014 15:43:48

DEP Region: Central

Incident Status Desc: Terminated

Incid Link ID#: 198407

Trenton Dispatch Num: 14-01-17-1543-48

Substances Involved

Incident Description

CALLING TO REPORT SEWAGE SPILL. CLEAN UP COMPLETE

Substance	CAS Number	Quantity	Units
SEWAGE		1000	gallons
Impacts To:	Land	Waterbody:	

Incident Location

Follow-Up Priority:

CROSSMENS PUMP STATION

Addr: CROSSMENS RD AND MAIN ST

Municipality: Sayreville Boro

County: Middlesex

Block, Lot:

Incident Source/Responsible Party

Name: BORO OF SAYREVILLE MUA

Phone #: 732-390-7017

Verified:

Addr: 167 MAIN ST

Munic: Sayreville Boro

County: Middlesex

State: NJ

Permit/Case#:

Reported By: BORO OF SAYREVILLE MUA

Addr: 167 MAIN ST

Phone #: 732-390-7017

Name: ROBERT SMITH

Confidential:

Municipality: Sayreville Boro

County: Middlesex

Case Status: Closed, No Inv.

as of: 4/9/2014

Lead DEP Investigator/Contact: Germanski, Mark

Action/Activity

Task	Assigned Staff	Due Date	Completed Date	Hrs Spent	Incident Action Comments	Organization	User ID Last Updt	Dt/Time Last Updt
Notification - Email	Germanski, Mark					Water - Central	AROTONDO	1/21/14 9:22
Initial Response	Germanski, Mark	1/23/14				Water - Central	AROTONDO	1/21/14 9:22
Notification - Fax			1/17/14			Water - Central	AROTONDO	1/21/14 9:22

Reporter Comments



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
CENTRAL BUREAU OF WATER COMPLIANCE & ENFORCEMENT
4 Station Plaza, Mail Code 44-03

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

P.O. Box 420
Trenton, NJ 08625
TEL: # (609) 292-3010
FAX # (609) 292-6450

BOB MARTIN
Commissioner

CERTIFIED MAIL / RRR
7010 1870 4760 1287

December 10, 2012

Santo Triolo
Sayreville Water and Sewer Department
167 Main Street
Sayreville, NJ 08872

RE: Borough of Sayreville - Sanitary Collection System
PROGRAM INTEREST ID # 164912
Borough of Sayreville / Middlesex County

Dear Mr. Triolo:

This office hereby requests information concerning the Borough of Sayreville's sanitary pump stations that were flooded as a result of Hurricane Sandy. Information is specifically needed for Morgan, Crossmans, and Boehmhurst pump stations. If any other pump station experienced problems during the hurricane, include that information also.

Please provide the following Hurricane Sandy related information in writing within 14 calendar days upon receipt of this letter:

- Summary of any pump station overflow and/or bypass - including times and durations
- Summary of any collection lines problems - including times and durations of any manhole overflows
- Indicate if Sayreville notified the Department of any sanitary wastewater discharges to the environment and/or pump station bypasses. If the NJDEP Hotline was notified, provide the case number(s).
- Indicate the current status of the collection system. Is any work still needed to return to normal operational status ?

If you have any questions, please contact me at (609) 439-9510.

Sincerely,

Mark Germanski
Principal Environmental Specialist

MC

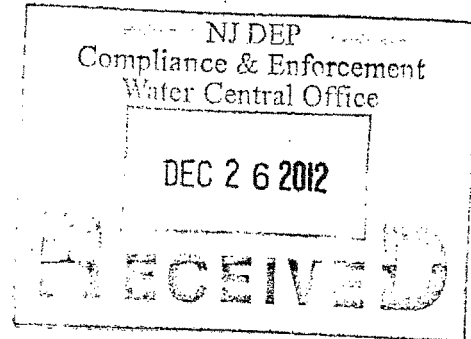
The Borough Of Sayreville

WATER DEPARTMENT

167 MAIN STREET • SAYREVILLE, N.J. 08872
TEL. (732) 390-7060 • FAX (732) 238-2147

December 21, 2012

State of New Jersey
Department of Environmental Protection
Central Bureau of Water Compliance and Enforcement
4 Station Plaza - Mail Code 44-03
P.O. Box 420
Trenton, NJ 08625-0420



Attn: Mr. Mark Germanski, Principal Environmental Specialist

Re: **Borough of Sayreville – Sanitary Sewer Collection System**
Program Interest ID #164912
Borough of Sayreville/Middlesex County

Dear Mr. Germanski:

I am in receipt of your letter dated, December 10, 2012 and offer the following information:

During the night of the hurricane of October 29, 2012, all communications were down. The next morning I was notified by Mr. Totten, Sewer Supervisor the extent of the damage we had suffered.

Numerous attempts were made to contact the NJDEP on October 30, 2012, by myself, but I was unable to sustain any contact. Another attempt was made on October 31, 2012; again, the line just gave a busy signal.

All of our sewage stations suffered some degree of damage but were able to function by generator power. (See list on page 3).

The Morgan, Crossman's and Boehmhurst Pumping Stations were flowing in various parts of the river and bay. This continued until November 2, 2012, until we were finally able to obtain pumps to by-pass into the sewer system. As you are aware, problems existed with the MCUA, which prevented us from pumping steady into the system. This was mainly happening along the Weber Avenue and MacArthur Avenue sections.

Succeed in Sayreville

Sayreville is an Equal Opportunity Employer

www.sayreville.com

NJDEP
Page 2.

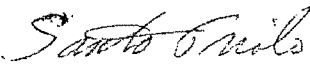
Until the MCUA had pumps installed on November 1, 2012 at the Canal Street Station many of our lines were full but not overflowing. Due to the lower pumping capacity at Canal Street this situation cleared itself by December 5, 2012.

All of the station and the surrounding areas were cleaned and disinfected as well as any manholes that overflowed.

Currently, all stations are operational with minor problems. We do have back-up pumps available at Morgan Pumping Station and Crossman's Pumping Station until the generators are repaired.

Should you require further information relative to the above, please do not hesitate to contact me at (732) 390-7067.

Very truly yours,



Santo Triolo,
Director

ST:js

Sayreville Pumping Stations

Damage
001287
PT

Boehmhurst Pump Station – Station is pumping with minor problems.

Crossman's Pump Station - Station is pumping with additional back-up pumps on standby until generator is repaired.

Crossway Creek Pump Station – Station is pumping with minor problems.

Eugene Pump Station - Station is pumping with minor problems.

Old Bridge Pump Station - Station is pumping with minor problems.

Melrose Pump Station – Station is pumping with minor problems.

Morgan Pump Station - Station is pumping with additional back-up pumps on standby until generator is repaired.

River Road Pump Station – Station is pumping with minor problems.

Winding Woods Pump Station – Station is pumping with minor problems.

Attachment 4

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name Rose Ann Tucker
2. Address 3 Rota Dr, Parlin, NJ 08859
3. Phone Number 732-727-2171 Account # C-78-010003-00
4. Date Received 2/5/14 Time 10:20 ☒ AM ☐ PM Called By Office
5. Employee Responding KK SM Date 2/5/14 Time 10:30 ☒ AM ☐ PM
6. Blockage In Our Line Yes Homeowner's Line _____
7. Manhole Condition Clear _____ Clogged yes
8. Sewer Caps On/Off ☐ On ☐ Off If Off, Reason Why _____
9. Previous Backups This Past Year Yes Date 12/31/13
10. Did Sewage Spill In Premises Yes Quantity 1"
11. Health Inspector Notified Yes Date February 5 2014 Time via fax
12. Plumbing Inspector Notified Yes Date February 5 2014 Time via fax

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The homeowner contacted the Sayreville Water Department Office regarding a sewer backup at the above address. The sewer equipment operator ran the main sewer line clearing the blockage. The resident stated she got approximately 1" to 1 1/2" spillage on floor. Resident stated she will be taking pictures - we did not enter home.

cc: Dan Frankel, Business Administrator
Bob Smith, Municipal Department Head
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed By  Date 2/5/14 Phone # 732-390-7062
/mgd

CC
Becky 6-30-14

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name _____
2. Address 55 SUCH ST.
3. Phone Number _____
4. Date received 6-29-14 Account # _____
5. Employee responding MOZ-ED-BT Time 5:45 PM Called by ADNA
6. Blockage in our line YES Date 6/29 Time 6:00 PM
7. Manhole condition clear _____ Homeowner's line _____
8. Sewer Caps On/Off _____ Clogged YES
9. Previous backups this past year NO If off, reason why _____
10. Did sewage spill in premises YES Date _____
11. Health Inspector notified _____ Quantity 1" - 2"
12. Plumbing Inspector notified _____ Date _____ Time _____
Date _____ Time _____

Please describe in detail the events that occurred and the measures taken to eliminate the problem

PHONE CALLED = SEWER BACK-UP - RAW MAIN LINES
CLEARED BLOCKAGE / TALKED TO RESIDENT. (NAD
PLUMBER ON-SITE BEFORE WE ARRIVED)

cc: Dan Frankel, Business Administrator
Santo Triolo, Director Water & Sewer Department
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed by R. Triolo Date 6-30-14 Phone # 792 390-7000
/mgd

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name Vincent Lisinichia
2. Address 16 Eugene Blvd., Parlin, NJ 08859
3. Phone Number _____ Account # C-61-010016-00
4. Date Received 5/18/14 Time 8:15 ☐ AM ☒ PM Called By police
5. Employee Responding JD SM BT Date 5/18/14 Time 6:15 ☐ AM ☒ PM
6. Blockage In Our Line Yes Homeowner's Line _____
7. Manhole Condition Clear _____ Clogged yes
8. Sewer Caps On/Off ☐ On ☐ Off If Off, Reason Why _____
9. Previous Backups This Past Year Yes Date 11/7/13
10. Did Sewage Spill In Premises Yes Quantity 1" To 3"
11. Health Inspector Notified Yes Date May 20 2014 Time via fax
12. Plumbing Inspector Notified Yes Date May 20 2014 Time Via Fax

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The Sayreville Police Department contacted the Sayreville Sewer Department regarding a sewer backup at 947 Highway 9. The line was backed up at Bordentown Ave and Eugene Blvd. The sewer equipment operator ran the sewer jet clearing the line. At 8:10 pm 16 Eugene Blvd contacted the police dept of a backup at their residence.

The sewer department did not enter the home.

*****The plumbing inspection should inspect this matter.*****

cc: Dan Frankel, Business Administrator
Bob Smith, Municipal Department Head
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed By Bruce Smith Date 5/20/14 Phone # 732-390-7000
/mgd ms

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name Edward Wagner
2. Address 33 Robinhood Dr, Parlin, NJ 08859
3. Phone Number 732-721-7015 Account # B-38-040033-00
4. Date Received 2/28/14 Time 6:15 ☐ AM ☒ PM Called By Police
5. Employee Responding SM BT Date 2/28/14 Time 6:30 ☐ AM ☒ PM
6. Blockage In Our Line Yes Homeowner's Line
7. Manhole Condition Clear Clogged yes
8. Sewer Caps On/Off ☐ On ☐ Off If Off, Reason Why ?
9. Previous Backups This Past Year No Date
10. Did Sewage Spill In Premises ? Quantity
11. Health Inspector Notified Yes Date March 4 2014 Time Via Fax
12. Plumbing Inspector Notified Yes Date March 4 2014 Time Via Fax

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The Sayreville Police Department contacted the Sayreville Sewer Department regarding a sewer backup at the above address. The sewer equipment operator ran the main line clearing the blockage. I did not enter home, nor did the resident state that there was spillage in the basement. Plumber was on site.

cc: Dan Frankel, Business Administrator
Bob Smith, Municipal Department Head
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed By  Date 3/3/14 Phone # 732-390-7062
/mgd

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name Rose Ann Tucker
2. Address 3 Rota Dr., Parlin, NJ 08859
3. Phone Number 732-727-2171 Account # C-78-010003-00
4. Date Received December 31 2013 Time 01:00 ☐ AM ☒ PM Called By Office
5. Employee Responding Kk & Rb Date December 31, 2013 Time 01:15 ☐ AM ☒ PM
6. Blockage In Our Line Yes Homeowner's Line _____
7. Manhole Condition Clear _____ Clogged yes
8. Sewer Caps On/Off ☐ On ☐ Off If Off, Reason Why ?
9. Previous Backups This Past Year No
10. Did Sewage Spill In Premises Yes Quantity 1" On Tile Floor
11. Health Inspector Notified Yes Date January 2 2014 Time 9:32 am
12. Plumbing Inspector Notified Yes Date January 2 2014 Time 9:32 Am

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The Sewer Department received a call from the office regarding a sewer backup at the above address. The equipment operator ran the main line clearing roots from the line. The resident stated she had 1" of water on floor in the basement bathroom. No rug or wood damage just a wet floor.

cc: Dan Frankel, Business Administrator ✓
Bob Smith, Municipal Department Head
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed By Bruce Totten Date January 2, 2014 Phone # 732-390-7000
/mgd *BT*

*I-mailed
Becky
1/2/14*

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**


1. Name Carlos Vedia
2. Address 49 Ernston Rd., Parlin, Nj 08859
3. Phone Number Account # B-46-100049-
4. Date Received December 22 2013 Time 10:45 ☒ AM ☐ PM Called By Police
5. Employee Responding Ed Joe Date December 22, 2013 Time 11:00 ☒ AM ☐ PM
6. Blockage In Our Line Yes Homeowner's Line No
7. Manhole Condition Clear Clogged Yes
8. Sewer Caps On/Off ☐ On ☐ Off If Off, Reason Why ?
9. Previous Backups This Past Year No Date Month Day Year
10. Did Sewage Spill In Premises Yes Quantity 3" In Basement
11. Health Inspector Notified Yes Date December 23 2013 Time Fax
12. Plumbing Inspector Notified Yes Date December 23 2013 Time Fax

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The Sayreville Police Department contacted the Sayreville Sewer Department regarding a sewer backup at the above address. The sewer equipment operator ran the sewer main line clearing the blockage.

cc: Dan Frankel, Business Administrator

Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed By Edward Downes Date December 22, 2013 Phone # 732-390-7062
/mgd 

*e-mailed
Becky
12/23/13*

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name Vincent Lisinichia
2. Address 16 Eugene Blvd., South Amboy, Nj 08879
3. Phone Number _____ Account # C-61-010016
4. Date Received November 7 2013 Time 8:00 ☒ AM ☐ PM Called By Police
5. Employee Responding Ed & Kevin Date November 7, 2013 Time 8:10 ☒ AM ☐ PM
6. Blockage In Our Line Yes Homeowner's Line _____
7. Manhole Condition Clear Clogged Select
8. Sewer Caps On/Off ☒ On ☐ Off If Off, Reason Why _____
9. Previous Backups This Past Year No Date Month Day Year
10. Did Sewage Spill In Premises Yes Quantity 5 To 10 Gallons
11. Health Inspector Notified Yes Date November 8 2013 Time Fax
12. Plumbing Inspector Notified Yes Date November 8 2013 Time Fax

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The Sayreville Police Department contacted the Sayreville Sewer Department regarding a sewer backup at the above address. The sewer equipment operator ran the main sewer line clearing the blockage

The police also called regarding Felix Mezzina, 2 Frank Ave. - Owner did not let us enter premises.

cc: Dan Frankel, Business Administrator
Santo Triolo, Director Water & Sewer Department
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Edward Downes

Completed By Ed Downes Date November 8, 2013 Phone # 732-390-7062
/mgd

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name Horacio Tendeiro & Jose Peixoto
2. Address 258 Washington Rd., Sayreville, Nj 08872 296 Washington Rd., Sayreville, NJ
3. Phone Number 732-257-3310 Account # A-12-012580 A-12-012960-480 732-967-9660
4. Date Received October 28 2013 Time 9:45 ☐ AM ☒ PM Called By Police
5. Employee Responding Walt & R8 Date October 28, 2013 Time 10:00 ☐ AM ☒ PM
6. Blockage In Our Line Yes Homeowner's Line No
7. Manhole Condition Clear Yes Clogged Yes
8. Sewer Caps On/Off ☐ On ☐ Off If Off, Reason Why ?
9. Previous Backups This Past Year No
10. Did Sewage Spill In Premises Yes Quantity 12"
11. Health Inspector Notified Yes Date October 28 2013 Time Fax
12. Plumbing Inspector Notified Yes Date October 28 2013 Time Fax

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The Sayreville Police Department contacted the Sayreville Sewer Department regarding a sewer backup at the above address. The sewer equipment operator ran the sewer main line clearing rags from the line. All manholes were filled with blacktop.
Second call came in at 1:15 am - ran main line again - all clear.

*Backup at both addresses.

cc: Dan Frankel, Business Administrator
Santo Triolo, Director Water & Sewer Department
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed By Walter Lesinski Date October 29, 2013 Phone # 732-390-7062

/mgd

Walter Lesinski

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name John Zientek
2. Address 24 Reseau Ave., South Amboy, Nj 08879
3. Phone Number _ Account # C-61-060024
4. Date Received October 6 2013 Time 2:00 ☐ AM ☒ PM Called By Police
5. Employee Responding Ed & Kevin Date October 6, 2013 Time 2:15 ☐ AM ☒ PM
6. Blockage In Our Line Yes Homeowner's Line No
7. Manhole Condition Clear _ Clogged Yes
8. Sewer Caps On/Off ☐ On ☐ Off If Off, Reason Why ? -
9. Previous Backups This Past Year No Date Month Day Year
10. Did Sewage Spill In Premises ? Quantity Did Not Enter Home
11. Health Inspector Notified Yes Date October 8 2013 Time 9:00
12. Plumbing Inspector Notified Yes Date October 8 2013 Time 9:00

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The Sayreville Police Department contacted the Sayreville Sewer Department regarding a sewer backup at the above address. The sewer equipment operator ran the sewer main line clearing a blockage in the main line.

On October 7, 2013, Matthew Wiater from 28 Reseau Ave. contacted our office stating he came home late Sunday night and found 6" of water in his basement.

cc: Dan Frankel, Business Administrator
Santo Triolo, Director Water & Sewer Department
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed By Edward Turner Date October 8, 2013 Phone # 732-390-7062
/mgd

**BOROUGH OF SAYREVILLE
WATER DEPARTMENT
SUPERVISOR'S REPORT**

1. Name Peter O'Donnell
2. Address 9 Gorczyca Pl., South Amboy, NJ 08879
3. Phone Number 732-707-3136 Account # B-41-050009-00
4. Date received 10/1/13 Time 10:00 pm Called by police
5. Employee responding ED Date 10/1/13 Time 10:00 pm
6. Meter # 30634001 Remote ID # 02308821 Radio Read # 4278040
7. Health Inspector notified N/A Date _____ Time _____
8. Plumbing Inspector notified N/A Date _____ Time _____
9. Building Inspector notified N/A Date _____ Time _____

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The Sayreville Water Department was in the process of conducting the annual
fire hydrant flushing program. The police department contacted the acting
supervisor regarding water in above residents basement. While the fire
hydrant was being flushed, the water runs into the woods and into the
residents backyard and seeped into basement.

There was approx 21-3 gallons of water in the corner of basement.

Rug was wet.

cc: Dan Frankel, Business Administrator
Santo Triolo, Director Water & Sewer Department
Kirk Miick, Construction Official
Edwin Gano, Health Inspector
Robert Rosario, Building Inspector

Completed by Edward Janner Date 10/2/13 Phone # 732-390-7062
/mgd

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name Lauree Zaczek
2. Address 139 Main St., Sayreville, NJ 08872
3. Phone Number _____ Account # A-08-010139-00
4. Date received 7/20/13 Time 6:00 pm Called by police
5. Employee responding BT RJ Date 7/20/13 Time 6:10 pm
6. Blockage in our line yes Homeowner's line no
7. Manhole condition clear _____ Clogged yes
8. Sewer Caps On/Off ?? If off, reason why ??
9. Previous backups this past year No Date _____
10. Did sewage spill in premises Yes Quantity 3" to 6"
11. Health Inspector notified Yes Date 7/29/13 Time 2:35 pm via fax
12. Plumbing Inspector notified Yes Date 7/29/13 Time 2:35 pm via fax

Please describe in detail the events that occurred and the measures taken to eliminate the problem
The Sayreville Police Department contacted the Sayreville Sewer Department

regarding a sewer backup at the above address. The bypass pump on Main St.
going to Kupsch St. was plugged. B & W Construction reset the levels and
cut hose shorter. All ok now.

cc: Dan Frankel, Business Administrator
Santo Triolo, Director Water & Sewer Department
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed by Bruce L. [Signature] Date 7/29/13 Phone # 732-390-7062
/mgd

**BOROUGH OF SAYREVILLE
SEWER BLOCKAGE
SUPERVISOR'S REPORT**

1. Name Frank Kitchen, Rosemarie Derent, Rose Millan
2. Address 90 Washington Rd 92 Washington Rd, 98 Washington Rd
3. Phone Number _____ Account # A0101009000 A0101009200 A0101009800
4. Date received 1/30/13 Time 9:00 am Called by office
5. Employee responding KK ED BT Date 1/30/13 Time 9:15 am
6. Blockage in our line yes Homeowner's line _____
7. Manhole condition clear _____ Clogged yes
8. Sewer Caps On/Off ??? If off, reason why _____
9. Previous backups this past year No Date _____
10. Did sewage spill in premises Yes Quantity 2"- 3 "
11. Health Inspector notified Yes Date 1/31/13 Time via fax
12. Plumbing Inspector notified Yes Date 1/31/13 Time via fax

Please describe in detail the events that occurred and the measures taken to eliminate the problem

The Sayreville Sewer Department received a call from the office regarding
sewer backups at the above addresses. The sewer equipment operator ran
the main line clearing the blockage.

90 Washington Rd - 1" - 2" sewer on floor (not a finished basement)

92 Washington Rd - sewer in slop sink

98 Washington Rd - finished basement 3" - 4" sewer on floor

Plumbing Inspector should inspect these homes!!!!!!!!!!

cc: Dan Frankel, Business Administrator
Santo Triolo, Director Water & Sewer Department
Kirk Miick, Construction Official
Edwin Gano, Health Inspector

Completed by Bruce T. Miller Date 1/31/13 Phone # 732-390-7062
/mgd mc

BOROUGH OF SAYREVILLE
WATER & SEWER UTILITIES

SPILL REPORT

This form must be completed each and every time a sewer spill occurs. The operator on shift when the spill occurred will be responsible to complete this report in **FULL**.

Operator: Ed Downes

Date: 1/16/14 Time of spill 11:00am to 11:15am

Location of spill: Crossmans Rd. pump station.

What spilled and approximate the amount in gallons

Raw sewerage from pump stations that were just cleaned within the Borough. 1000 gallons.

Reason for spill: (cause)

Employee discharged sewerage onto the ground.

Action taken to rectify spill:

Clean and rake area of all debris. Remove top layer of sand. Spread lime over the affected area. No wetlands or waterways were impacted.

Reported Spill To: Borough Supervisor Borough Director X **NJDEP***

***If Reported To NJDEP Then Complete Section Below:**

NJDEP Operator # 44, NJDEP Case Number Assigned 140117154348, Time 3:47 PM

Briefly describe what you told the NJDEP operator:

Sewerage was discharged onto the ground at the Crossmans Rd. pump station from a tanker truck that had just cleaned other pump stations within the Borough.

Borough of Sayreville

Wastewater Pump Stations

<u>Pump Station</u>	<u>Pump Capacity (GPM)</u>	<u>Rated Capacity*</u>
1. Crossman Pump Station	(2) pumps 4750 gpm – existing	
	(3) pumps 4750 gpm – proposed	13.68 mgd
2. Boehmhurst Pump Station	(3) pumps 1200 gpm	3.45 mgd
3. Morgan Pump Station	(3) pumps 860 gpm	1.72 mgd
4. Melrose Pump Station	(3) pumps 575 gpm	1.65 mgd
5. River Road Pump Station	(2) pumps 2000 gpm	2.88 mgd
6. Old Bridge Pump Station	(2) pumps 100 gpm	0.14 mgd
7. Crossway Creek Pump Station	(3) pumps – (2) speed motors	
	Low Speed 1000 gpm	
	High Speed 3000 gpm	8.64 mgd
8. Eugene Pump Station	(3) pumps – (2) speed motors	
	Low Speed 150 gpm	
	High Speed 500 gpm	1.4 mgd
9. Winding Wood Pump Station	(2) pumps 1340 gpm – existing	
	(3) pumps 1014 gpm - proposed	2.9 mgd

*Capacity with largest pump out of service

177426016

ORDINANCE #182-12

Adopted
4.23.12

**AN ORDINANCE TO SUPPLEMENT AND AMEND CHAPTER XIV,
"WATER & SEWER", SECTION 49, SCHEDULE A, SEWER USER CHARGES
OF THE REVISED GENERAL ORDINANCES OF THE BOROUGH OF SAYREVILLE,
1986, AS SUPPLEMENTED AND AMENDED**

BE IT ORDAINED by the Mayor and Borough Council of the Borough of Sayreville that chapter XIV "Water & Sewer", Section 49, Schedule A "Sewer User Charges" is hereby supplemented and amended by deleting and inserting in lieu thereof, the following amended Schedule A:

**SCHEDULE A
SEWER USER CHARGES**

Class A Users Discharging Normal Domestic Sewage. All Class A users of the Borough of Sayreville sanitary sewer system discharging normal domestic sewage, as herein described in the Sanitary Use Regulations, shall be charged at a rate of twenty-two dollars and ten cents (\$22.10) per thousand cubic feet of water consumed.

Class B Users Discharging Non-Domestic Industrial Wastes. All users of the Borough of Sayreville sanitary sewer system discharging other than normal sewage shall be billed quarterly as follows:

- a. For Middlesex County Utilities Authority (MCUA) charges based on the ratio of the actual flow and actual flow parameters of each Class B user to the total actual flow and total actual flow parameters from the Borough to MCUA using the billing rates prescribed by the MCUA at the beginning of the year.
- b. For Borough of Sayreville charges based upon the actual flow of each Class B user at a rate of two dollars (\$2.00) per thousand gallons.

Actual flow shall be established based on sewage flow where metered or water consumption where un-metered.

Billing procedures for Class B users shall be more specifically described in Schedule B of Article IV Industrial Wastes of the Borough of Sayreville Code.

Class C Users Discharging Non-Domestic Sewage.

All Class C users of the Borough of Sayreville sanitary sewer system discharging sewage with flow parameters in excess of normal sewage, as herein described in the Sanitary Use Regulations, shall be charged at a rate of fifty-eight dollars and thirty cents (\$58.30) per thousand cubic feet of actual sewage flow where metered or actual water consumption where un-metered.

Class D Users Discharging Non-Domestic Sewage.

All Class D users of the Borough of Sayreville sanitary sewer system discharging sewage with flow parameters in excess of normal sewage, as herein described in the Sanitary Use Regulations, shall be charged at a rate of forty-eight dollars and sixty-five cents (\$48.65) per thousand cubic feet of actual sewage flow where metered or actual water consumption where un-metered.

Class E Users Discharging Non-Domestic Sewage.

All Class E users of the Borough of Sayreville sanitary sewer system discharging sewage with flow parameters in excess of normal sewage, as herein described in the Sanitary Use Regulations, shall be charged at a rate of sixty-five dollars and ninety cents (\$65.90) per thousand cubic feet of actual sewage flow where metered or actual water consumption where un-metered.

Class F Users Discharging Non-Domestic Sewage.

All Class F users of the Borough of Sayreville sanitary sewer system discharging sewage with flow parameters in excess of normal sewage, as herein described in the Sanitary Use Regulations, shall be charged at a rate of ninety-four dollars and eighty cents (\$94.80) per thousand cubic feet of actual sewage flow where metered or actual water consumption where un-metered.

Class G Users Discharging Non-Domestic Sewage.

All Class G users of the Borough of Sayreville sanitary sewer system discharging sewage with flow parameters in excess of normal sewage, as herein described in the Sanitary Use Regulations, shall be charged at a rate of thirty-three dollars and ninety-five cents (\$33.95) per thousand cubic feet of actual sewage flow where metered or actual water consumption where unmetered.

Class H Users Discharging Non-Domestic Sewage.

All Class H Users of the Borough of Sayreville sanitary sewer system discharging sewage with flow parameters in excess of normal sewage, as herein described in the Sanitary Use Regulations, shall be charged at a rate of twenty-four dollars and forty-five cents (\$24.45) per thousand cubic feet of actual sewage flow where metered or actual water consumption where unmetered.

Where any building or structure is used for purposes comprised of more than one classification, the service fee in such case shall be the total of the fees for each such classification.

Minimum Charge.

Notwithstanding any of the schedules contained herein to the contrary, the minimum annual charge for any property connected to the Borough sanitary sewer system shall be one hundred twelve dollars (\$112.00).

The rates or charges as set forth in "Schedule A" above shall take effect on May 1, 2012 and be billed on or after May 1, 2012 for all customers.

/s/ Dan Buchanan, Councilman
(Water & Sewer Committee)

ATTEST:

APPROVED:

/s/ Theresa A. Farbaniec, RMC
Municipal Clerk

/s/ Kennedy O'Brien, Mayor

APPROVED AS TO FORM:

/s/ Michael R. DuPont, Esq.
Borough Attorney

I, Theresa A. Farbaniec, RMC, Municipal Clerk of the Borough of Sayreville do hereby Certify that the foregoing is a true copy of a Ordinance that was introduced by the Mayor and Borough Council on the 9th day of April 2012 and further passed at a Regular Meeting held on the 23rd day of April, 2012.

Theresa A. Farbaniec
Municipal Clerk

Attachment 7

COLLECTION SYSTEM MONTHLY REPORT

Agency Borough of Sayreville

Reporting Period 5/1/14 To 5/31/14

Licensed Operator of Record Robert Smith

Total feet of sewer line operated & maintained 126 Miles Gravity
3 Miles of Force Main

Section 1- Collection System Maintenance

1. Feet of sewer line cleaned: 56,405
2. Feet of sewer line televised: 1,150
3. Other collection system preventative maintenance
(ex: manhole repair, easement clearing, etc.)

Manholes and castings replaced at 64 Main St. and 2 Gillen Dr.

2. Blockages:

Total Blockages 13 Main Blockages 2 Lateral Blockages: 11

5. Sanitary Sewer Overflows (SSO'S) Attach Copy of Report Sent to NJDEP

DATE	NJDEP HOTLINE #	SSO AMOUNT
NONE		

6. Odor Complaints - 6 Joanne Ct. – Deodorized and cleaned manholes and main.

7. New Connection: 2

TWA Required: NO

ADDRESS	BLOCK	LOT (S)	GPD

NON TWA Required: Commercial, Multi Family

Address	Block & Lot	Use	GPD	Date connected

Single Family Connections:

Address	Block	Lot (S)	Date connected
142 Whitehead Av	136.16	135	5/23/14
143 Whitehead Av	136.16	153	5/23/14

Section 2- Pump Station Maintenance

1. List any Non Preventative Maintenance Activities (unscheduled, alarms, emergencies)

	All stations Functional
Old Bridge PS	Pump #1 out for repairs, spare pump installed
Crossmans PS	Replaced level control compressor
River Road PS	Pump #1 out for repairs, spare pump installed

2. List any Major Equipment (pumps, motors, etc.) Out of service during the month.

Pump Station	Faulty Equipment	Date out of service	Est. back in service
Old Bridge PS	Pump #1	5/10/14	Waiting on Rapid P
River Rd. PS	Pump #1	5/30/14	Waiting on Rapid P

3. Industrial / Commercial Discharges

List the additions / deletions to the initial list of industrial / commercial discharges.

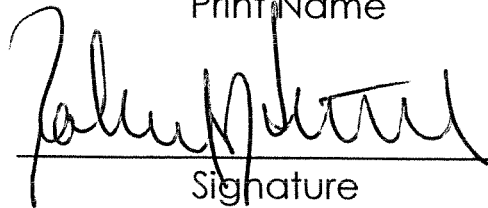
Additions	Date	Deletions	Date
See attached sheet			

Check if no addition / deletions in this report period.

Licensed Operator:

Robert Smith

Print Name


Signature

6/13/14

Date

Attachment 8

Lantner, Murray

From: Lantner, Murray
Sent: Thursday, October 23, 2014 2:57 PM
To: 'Kevin Aiello'; 'Robert Smith'
Cc: 'Germanski, Mark'
Subject: FW: Potential Pretreatment Issue - Sayreville NJ
Attachments: MCUA_Jernees Mill Road_7_30_14.PDF

Dear Kevin and Robert
Let me know if there is any more to report on this.

Murray Lantner, P.E., Environmental Engineer
Compliance Section
EPA Region 2, Water Compliance Branch
290 Broadway, 20th Floor
New York, NY 10007
(212) 637-3976 (Office)
(212) 637-3953 (Fax)
Email: Lantner.Murray@epa.gov

From: Lantner, Murray
Sent: Wednesday, August 13, 2014 5:31 PM
To: 'Kevin Aiello'; 'Robert Smith'
Cc: 'Germanski, Mark'; DAgestino, Daniel; Wong, Virginia; Boylan, Nora
Subject: RE: Potential Pretreatment Issue - Sayreville NJ

Dear Kevin:
Thank you for your response.
In reading the response, I wanted to check whether MCUA and/or Sayreville was able to inspect/re-inspect the manhole and determine if the odor/sheen issue was recurring and if so work to track it down?

Please keep us posted.
And thanks for your assistance

Murray Lantner, P.E., Environmental Engineer
Compliance Section
EPA Region 2, Water Compliance Branch
290 Broadway, 20th Floor
New York, NY 10007
(212) 637-3976 (Office)
(212) 637-3953 (Fax)
Email: Lantner.Murray@epa.gov

From: Lantner, Murray
Sent: Wednesday, July 16, 2014 1:12 PM
To: 'Kevin Aiello'

Cc: 'Robert Smith'; 'Germanski, Mark'; Wong, Virginia; Boylan, Nora; DAgostino, Daniel

Subject: Potential Pretreatment Issue - Sayreville NJ

Dear Kevin:

We conducted a Sanitary Sewer System inspection in Sayreville NJ yesterday.

We opened a Sayreville manhole on Jernees Mill Road just upstream of the MCUA metering chamber and noted a sheen in the Sanitary Sewer and there was also a chemical odor in the sewer. Bruce Totten of Sayreville Sewer Supervisor had noted this problem in the past as well.

The section of sewer is downstream from the Alzo International Pharmaceutical.

We did not confirm the source of the sheen/odor, but is Alzo an Industrial User of MCUA? If not should it be?

I've attached a photo of the sheen in the sewer, the MCUA metering chamber and the Alzo sign.

Please keep me posted on any follow up that is done to track down the sheen/odor and the status of Alzo as an Industrial User.

Much Appreciated

Murray Lantner, P.E., Environmental Engineer

Compliance Section

EPA Region 2, Water Compliance Branch

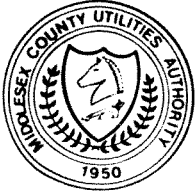
290 Broadway, 20th Floor

New York, NY 10007

(212) 637-3976 (Office)

(212) 637-3953 (Fax)

Email: Lantner.Murray@epa.gov



MIDDLESEX COUNTY UTILITIES AUTHORITY

MAIN OFFICES:

2571 MAIN STREET • P.O. BOX 159 • SAYREVILLE, NJ 08872-0159
(732) 721-3800 FAX: (732) 721-0206

MIDDLESEX COUNTY LANDFILL OFFICE:

53 EDGEBORO ROAD • EAST BRUNSWICK, NJ 08816-1636
(732) 246-4313 FAX: (732) 246-8846

RICHARD L. FITAMANT, EXECUTIVE DIRECTOR
MARGARET M. BRENNAN, COMPTROLLER
DONATO J. TANZI, WASTEWATER DIVISION
PAUL T. CLARK, SOLID WASTE DIVISION

REPLY TO:
☒ SAYREVILLE
☐ EAST BRUNSWICK

July 30, 2014

Mr. Murray Lantner, P.E., Environmental Engineer
Compliance Section
EPA Region 2, Water Compliance Branch
290 Broadway, 20th Floor
New York, NY 10007-1866

Re: EPA Sanitary Sewer Inspection
Jernees Mill Road Manhole
Sayreville, NJ 08872

Dear Mr. Lantner,

This letter serves in response to the email sent to my attention on July 16, 2014, regarding the sheen/chemical odor of the flowing wastewater observed during your sanitary sewer inspection on July 15, 2014 of the manhole opened just upstream of the MCUA Metering Chamber (Sayreville/Joint Sayreville) on Jernees Mill Road and your request for information pertaining to the status of Alzo/Pharmetic Manufacturing as an Industrial User.

Based upon the information provided and the photo documentation taken of the wastestream during your sanitary sewer inspection on the referenced date; the MCUA has reviewed its field log/laboratory sheets that correspond to the monitoring data obtained from the Sayreville/Joint Sayreville Metering Chamber from July 14-17, 2014. The quantity and quality (Biochemical Oxygen Demand, Total Suspended Solids, Chlorine Demand, and pH) of the wastewater monitored during that period of time were consistent with the characteristics typically found in this wastestream and the observations noted by the MCUA Lines/Meters and Laboratory staff members in their respective daily log sheets did not reference any abnormal characteristics of the wastewater collected/analyzed. Therefore, further investigation by this Authority during the above time period was not warranted as a result of this.

Furthermore, Alzo/Pharmetic Manufacturing has been permitted by the Authority since September 1, 2008. The facility is regulated under the MCUA Rules/Regulations and the USEPA Effluent Guidelines and Standards for Organic Chemicals, Plastics, and Synthetic Fibers, 40 CFR Part 414 et. seq., specifically, Subpart H-Specialty Organic Chemicals (PSNS), 40 CFR 414.86 et. seq. The facility manufactures cosmetic ester intermediates which generate approximately 1,200–2,400 gallons per day (gpd) of process water from reactor boil-outs that is pretreated by coalescing filtration and pH neutralization prior to discharge to the sanitary sewer.

In addition, the MCUA Industrial Pretreatment Program staff contacted the facility representative regarding the circumstances above and Alzo/Pharmetic Manufacturing informed the Authority that production levels were normal, pretreatment systems were operational and the quantity of treated process wastewater discharged to the sanitary sewer on July 15, 2014 was 1,714 gallons over a twenty-four (24) hour period (1.2gpm).

MIDDLESEX COUNTY UTILITIES AUTHORITY

Based upon a review of the information provided by Alzo/Pharmetic Manufacturing, knowledge of process, and compliance history, the characteristics of their process discharge to the sanitary sewer on July 15, 2014 do not appear to be indicative of the wastewater observed during your sanitary sewer inspection flowing through the manhole on Jernees Mill Road just upstream of the MCUA Metering Chamber. Therefore, the source of the wastewater with the sheen/chemical odor flowing through the Borough of Sayreville's collection system cannot be clearly identified at this time. However, the MCUA shall make every attempt to identify the origin of this unknown wastestream to ensure that the discharge to the sanitary sewer is in compliance with the MCUA Rules and Regulations.

If you have any questions or require additional information concerning this matter, please contact Michael DiNinno, of my staff, or me at (732) 721-3800 or by letter through this Authority.

x L90

Very truly yours,



Kevin T. Aiello
Administrator
Environmental Quality

KTA:md

c: Virginia Wong, Regional Pretreatment Coordinator, EPA Region 2
Valentin Kouame, Environmental Engineer, NJDEP
Robert Smith, Borough of Sayreville, Director, Water/Sewer
Richard Fitamant, Executive Director, MCUA
Donato Tanzi, Chief Engineer, MCUA
Michael Arway, Lines & Meters Superintendant, MCUA
Stephen Fincham, Laboratory Supervisor, MCUA
Michael Lopez, IPP Systems Engineer, MCUA
Michael DiNinno, IPP Compliance Investigator, MCUA